



# ST. LOUIS DISTRICT MOBILITY

QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019 | EDITION NO. 06

## Table of Contents

### EXECUTIVE SUMMARY 1-5

Provide Outstanding Customer Service & Deliver Transportation Services of Great Value

### FREEWAY MANAGEMENT 6-17

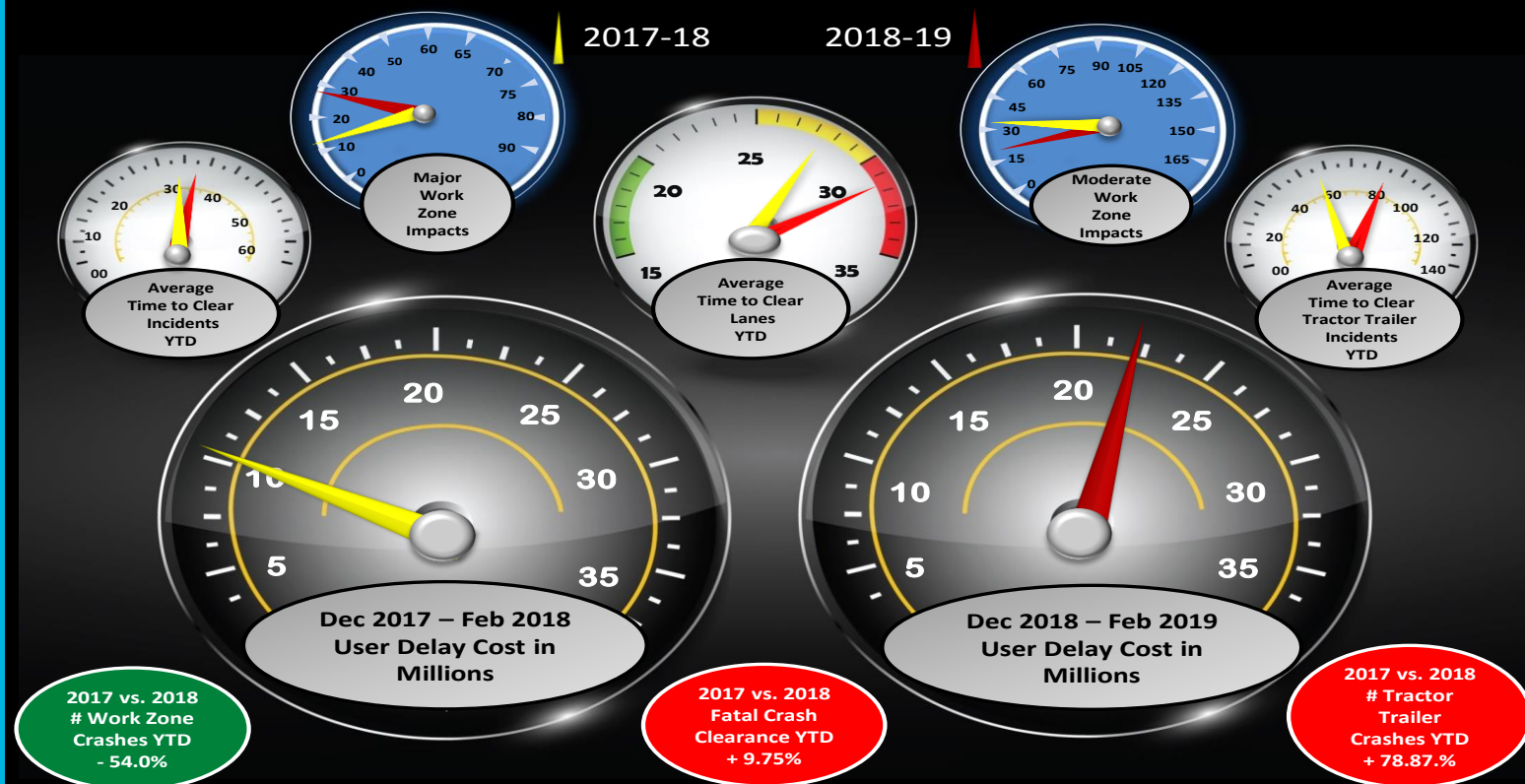
Operate a Reliable and Convenient Transportation System  
Use Resources Wisely & Advance Economic Development

### WORK ZONE MANAGEMENT 18-19

Keep Roads and Bridges in Good Condition

### INCIDENT MANAGEMENT 20-50

Keep Customers and Ourselves Safe



User Delay Cost: Passenger Vehicle \$17.67 Commercial Vehicle \$68.09  
Sources Texas Transportation Institute & American Transportation Research Institute

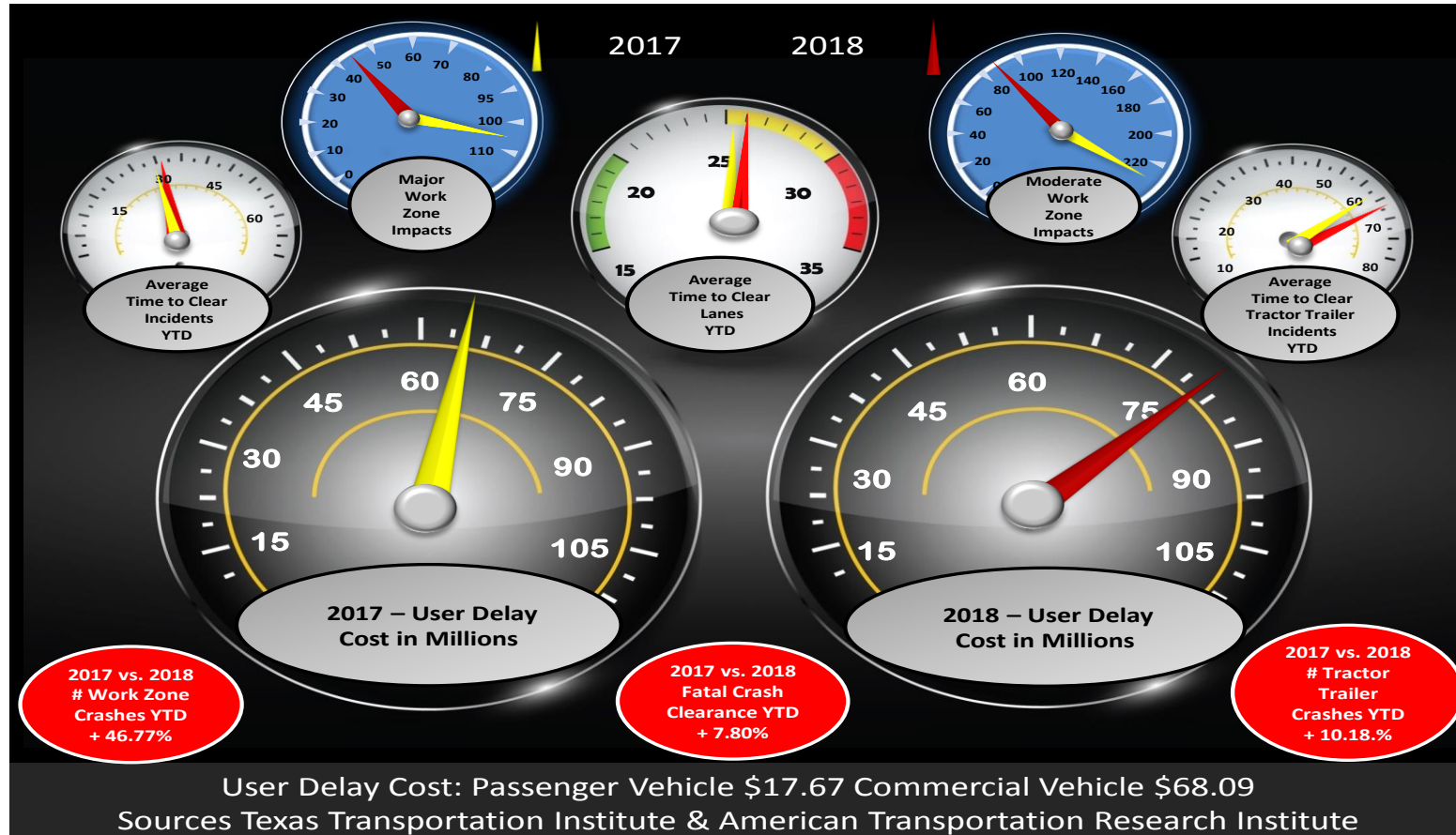
### December 2017 thru February 2018 Grand Total and Average

<b>Delay cost:</b>	<b>Vehicle Miles traveled (VMT)</b>
Total \$11,690,565	Total: 2,090,754,854 miles
<b>Hours of delay</b>	Passenger: 1,881,679,369 miles
<b>Person-hours: 536,611h 6m</b>	Commercial: 209,075,485 miles
<b>Vehicle hours: 438,049h 53m</b>	<b>Delay per VMT: 0.0126 mins/mile</b>

### December 2018 thru February 2019 Grand Total and Average

<b>Delay cost:</b>	<b>Vehicle Miles traveled (VMT)</b>
Total \$22,209,264	Total: 2,142,421,207 miles
<b>Hours of delay</b>	Passenger: 1,928,179,086 miles
<b>Person-hours: 1,019,432h 5m</b>	Commercial: 214,242,121 miles
<b>Vehicle hours: 832,189h 27m</b>	<b>Delay per VMT: 0.0233 mins/mile</b>

## 2017 Year vs 2018 Year Comparison



### 2017 Grand Total and Average

**Delay cost:**  
Total \$66,963,696  
**Hours of delay**  
Person-hours: 3,073,714h 37m  
Vehicle hours: 2,509,154h 48m

**Vehicle Miles traveled (VMT)**  
Total: 8,546,835,887 miles  
Passenger: 7,692,152,298 miles  
Commercial: 854,683,589 miles  
Delay per VMT: 0.0176 mins/mile

### 2018 Grand Total and Average

**Delay cost:**  
Total \$77,228,157  
**Hours of delay**  
Person-hours: 3,544,865h 50m  
Vehicle hours: 2,893,768h 1m

**Vehicle Miles traveled (VMT)**  
Total: 8,635,902,021 miles  
Passenger: 7,772,311,819 miles  
Commercial: 863,590,202 miles  
Delay per VMT: 0.0201 mins/mile





# EXECUTIVE SUMMARY

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



Average time to clear lanes increased by 10.52 % heavily impacted by winter weather events.

Work zone crashes decreased by 54%.

User delay costs doubled when comparing the period from December 2017 to February 2018 with December 2018 – February 2019.

Overall regional mobility decreased for the AM and PM peak periods.

Westbound I-64 @ I-70 (Wentzville) is #1 on the Top 5 Congestion Locations. NB I-270 at Manchester moved up from 5 to 2 and all others moved out of top 5.

## ZONING IN

### TMS Work Zones:

Dec 2018: 212  
Jan 2019: 125  
Feb 2019: 131

### Work Zone Impact Breakdown:

Major: 28 – 7.1%  
Moderate: 17 – 4.2%  
Minor: 352 – 88.7%

**WORK ZONE CRASHES: 15**

## Most Significant Impact Events

### Planned Event

**Date:** Entire Quarter

**Location:** Eastbound I-44 from I-270 to Jefferson / Westbound I-44 from Jefferson to I-270  
**Event Detail:** Continued Bridge work with multiple projects and daily lane closures

### Unplanned Event

**Date:** 1-25

**Location:** Northbound I-270 past Dorsett  
**Event Detail:** A two-vehicle crash involving a pickup truck and a tractor trailer. The tractor trailer struck the rear of a stalled pickup truck which then went off the right side of the roadway, through a concrete barrier wall, and down an embankment.



# EXECUTIVE SUMMARY

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019

## Top 5 Congestion Locations / December 2017 – February 2018 vs. December 2018 – February 2019

**\*Locations ranked on Base Impact (The aggregation of Queue Length over time for congestion originating at each location in mile minutes)**

	Congestion Locations 2017-18	*Base Impact	Average Queue Length Miles	Average Daily Duration	Total Duration
1	NB I-270 @ Dougherty Ferry Road	9,738.00	1.48	1h 00 m	3d 18h 13m
2	EB I-270 @ US-67/Lindbergh Boulevard	9,331.00	1.26	1h 27m	5d 11h 07m
3	WB I-64 @ Concourse Drive/Hampton	8,909.00	0.70	2h 22m	8d 22h 16m
4	EB I-64 @ I-44/I-55/US-40	7,875.00	0.39	3h 57m	14d 19h 46m
5	SB I-270 @ MO 100/Manchester Road	7,747.00	1.73	0h 50m	3d 04h 00m

	Congestion Locations 2018-19	*Base Impact	Average Queue Length Miles	Average Daily Duration	Total Duration
1	WB I-64 @ I-70 (Wentzville)	20,935.00	5.42	0h 38m	2d 09h 36m
2	NB I-270 @ MO 100 Manchester Road	20,367.00	6.02	0h 37m	2d 08h 26m
3	SB I-170 @ Galleria Parkway	19,497.00	1.53	2h 04m	7d 19h 00m
4	WB I-64 @ Clayton Road/Oakland Avenue	18,835.00	2.40	1h 26m	5d 10h 06m
5	EB I-64 @ Big Bend Boulevard	17,568.00	3.07	1h 04m	4d 00h 52m

## Average Incident Duration Comparison / 2017 – 18 vs. 2018 – 19

Month	Average Incident Duration (Minutes : Seconds)	2017	2018
December	Lane Clearance	26:17	27:45
December	Incident Clearance	30:35	33:07
Month	Average Incident Duration	2018	2019
January	Lane Clearance	28:41	36:02
January	Incident Clearance	33:20	39:31
February	Lane Clearance	28:23	29:38
February	Incident Clearance	31:35	33:34





# EXECUTIVE SUMMARY

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019

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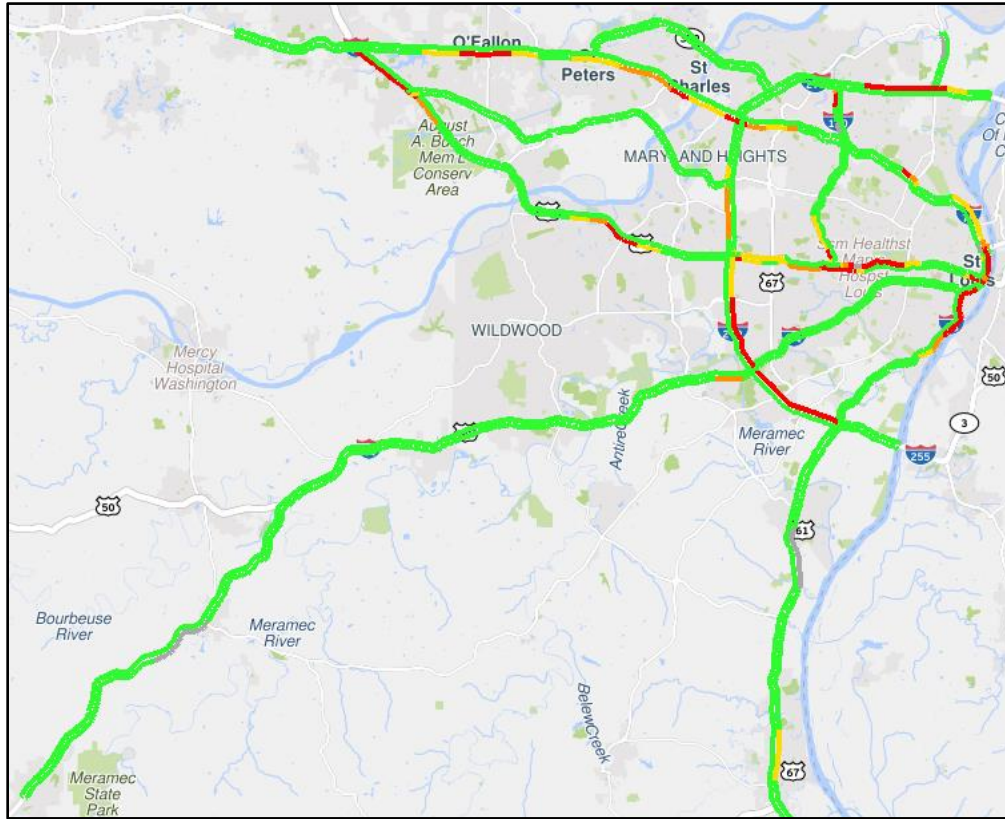


# FREEWAY MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019

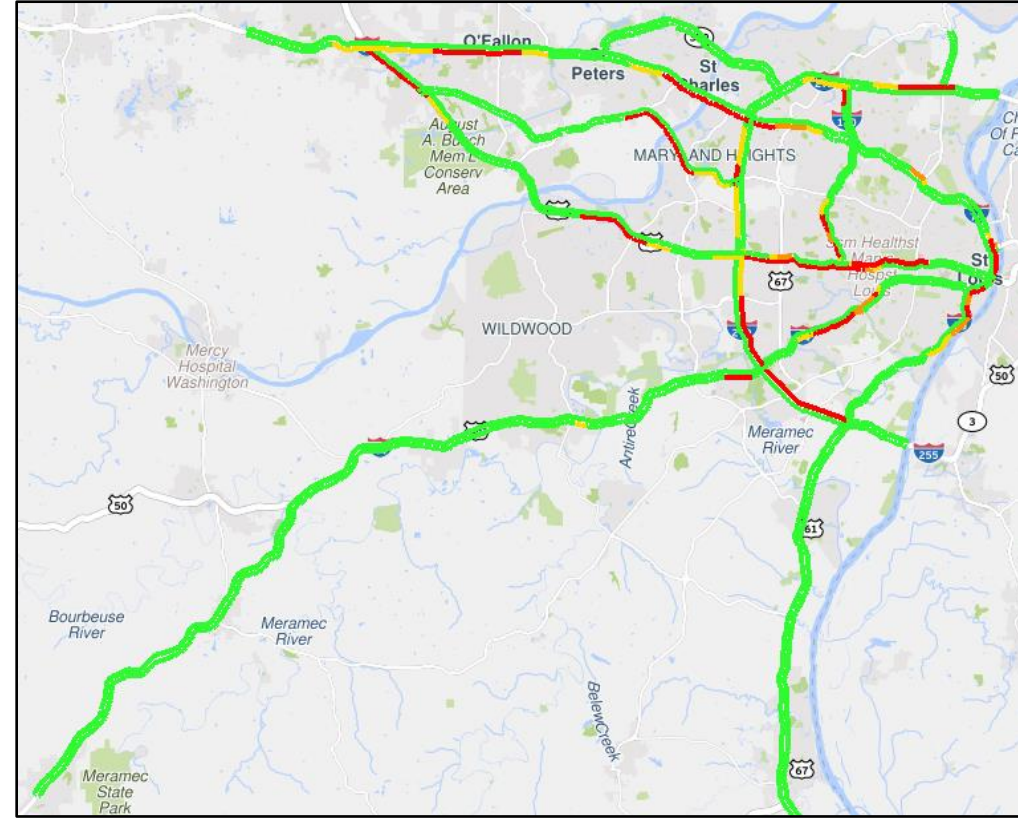
## DECREASE in Overall AM Mobility

AM Peak Mobility December 2017/January/February 2018 vs December 2018/January/February 2019 \*



2017-18

- > 90 % of free-flow speed
- 85% - 90 % of free-flow speed
- 80 % - 85 % of free-flow speed
- < 80 % of free-flow speed



2018-19

Regional % of free-flow speed hourly breakdown\*\*:

	2017-18		2018-19
6 AM	100%	→	100%
7 AM	95.5%	→	94.0%
8 AM	96.6%	→	95.2%
9 AM	100%	→	100%

\* 7am hour shown

\*\* Regional % of free-flow speed is the averaged % of free-flow speeds for all directions of all freeways within the St. Louis District. This provides a high-level measurement of overall regional mobility for each peak hour.

## Highlighted Corridor AM Summary I-64

Comparing AM December 2017/January/February 2018 vs December 2018/January/February 2019

**AM EB I-64 Overall Mobility DECREASED 2017/18 → 2018/19, but there was a slight (1.8%) increase in mobility during the 9am – 10am hour.**

**AM WB I-64 Overall Mobility DECREASED from 2017/18 → 2018/19**

### Active Work Zones During Report Period

#### 2017 - 2018

Date	Route	Type of Work	Location	Lanes closed	Time
Dec 7- Feb 28	EB-I64	Bridge Work	EB I-44/NB I-55 Ramp to EB I-64 PSB	Ramp Closed	24 hours
Dec 7-8/ Dec 11-13	WB-I64	Bridge Work	WB Across Poplar Street Bridge	Right Lane	9:00 am to 5:00 pm
Dec 11	EB-I64	Bridge Work	EB Across Poplar Street Bridge	Right Lane	6:00 am to 2:00 pm
Dec 13	EB-I64	Bridge Work	EB Across Poplar Street Bridge	Right Lane	6:00 am to 2:00 pm / 8:00 pm to 6:00 am
Dec 26-27	EB-I64	Bridge Work	EB Across Poplar Street Bridge	Right Lane	6:00 am to 2:00 pm / 8:00 pm to 6:00 am
Dec 26-27	WB-I64	Bridge Work	WB Across Poplar Street Bridge	Right Lane	9:00 am to 5:00 pm
Jan 1-10	EB-I64	Bridge Work	EB I-44/NB I-55 Ramp to EB I-64 PSB	Ramp Closed	24 hours
Jan 8-9	EB-I64	Bridge Work	EB Across Poplar Street Bridge	Right Lane	8:00 pm to 6:00 am / 6:00 am to 2:00 pm
Jan 10	WB-I64	Bridge Work	WB Across Poplar Street Bridge	Two Right lanes	8:00 pm to 5:00 am
Jan 17 - Feb 28	WB-I64	Bridge Work	WB Across Poplar Street Bridge	Left Lane	24 hours
Jan 17	WB-I64	Bridge Work	WB Across Poplar Street Bridge	Two Left Lanes	8:00 pm to 5:00 am
Jan 15-16	EB-I64	Bridge Work	EB Across Poplar Street Bridge	Right Lane	8:00 pm to 6:00 am / 6:00 am to 2:00 pm
Feb 1-22	EB-I64	Bridge Work	EB Across Poplar Street Bridge	Right Lane	6:00 am to 1:30 pm

#### 2018 - 2019

Date	Route	Type of Work	Location	Lanes closed	Time
Dec 13-Dec 14	WB I-64	Bridge Work	6th Street Exit	Exit Lane	9:00 am to 3:00 pm
Jan 7-Jan 11	EB I-64	Bridge Work	Across Poplar Street Bridge	Right lane	6:00 am to 2:00 pm
Jan 14-Jan 16	EB I-64	Bridge Work	Across Poplar Street Bridge	Right lane	6:00 am to 2:00 pm
Jan 26- Jan 28	EB I-64	Emergency Slide Repair	EB I-64 On-Ramp from Hanley/Brentwood	Ramp Closed	24 hours





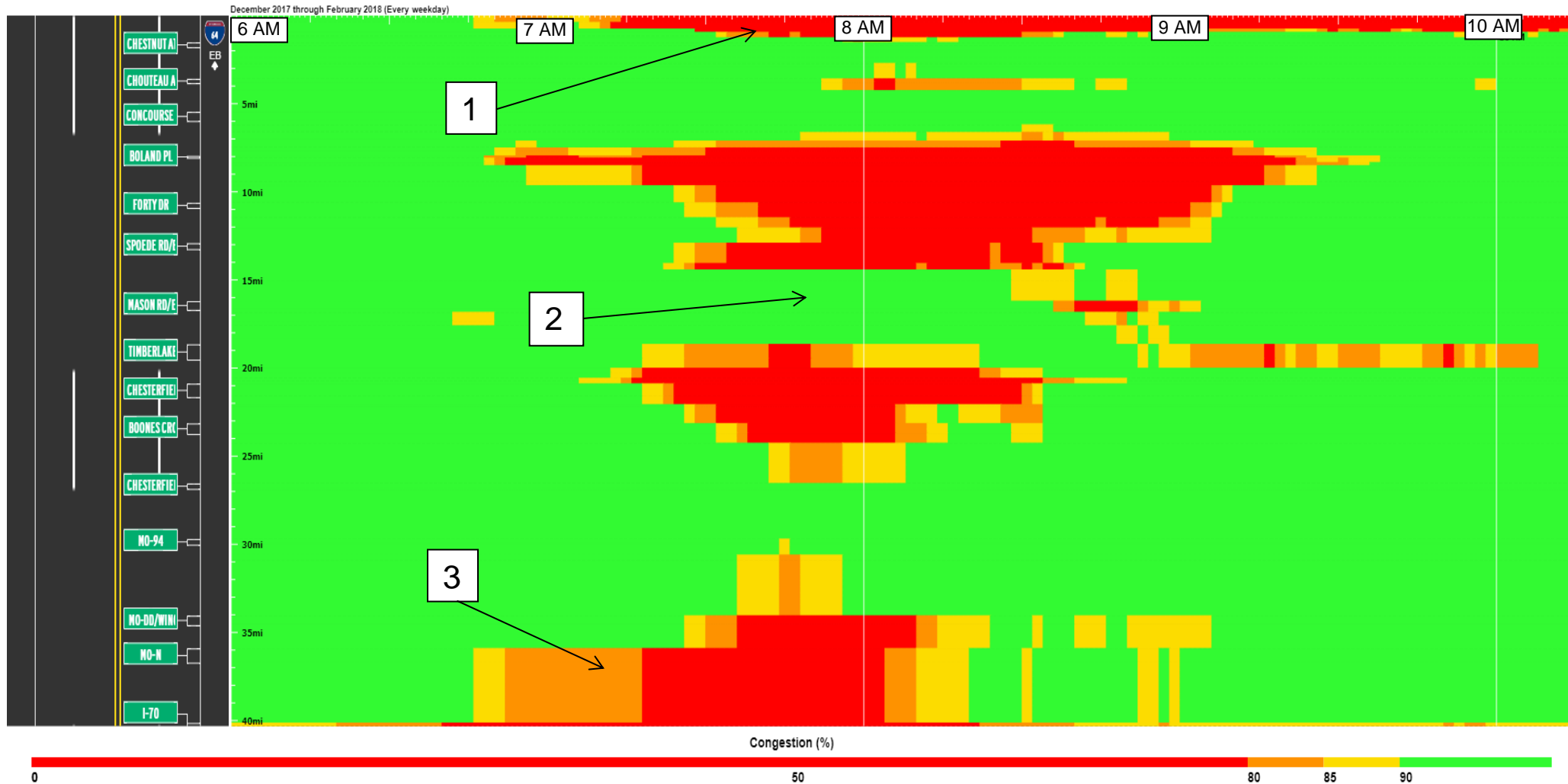
# FREEWAY MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019

AM 2017–18 EB I-64

## Congestion for I-64 Eastbound using HERE data

Averaged by 2 minutes for December 2017 through February 2018 (Every weekday)

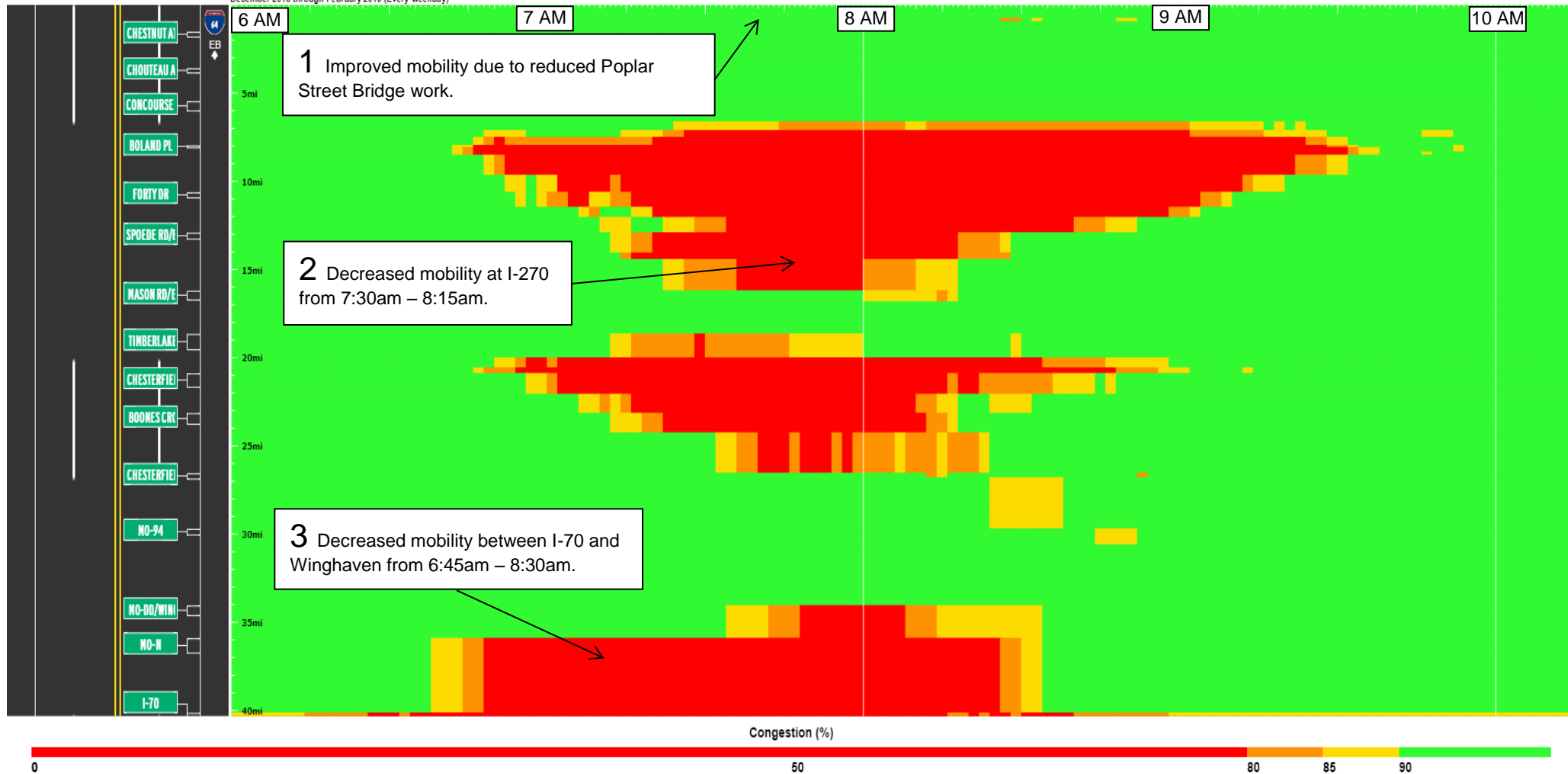


## AM 2018–19 EB I-64

### Congestion for I-64 Eastbound using HERE data

Averaged by 2 minutes for December 2018 through February 2019 (Every weekday)

December 2018 through February 2019 (Every weekday)





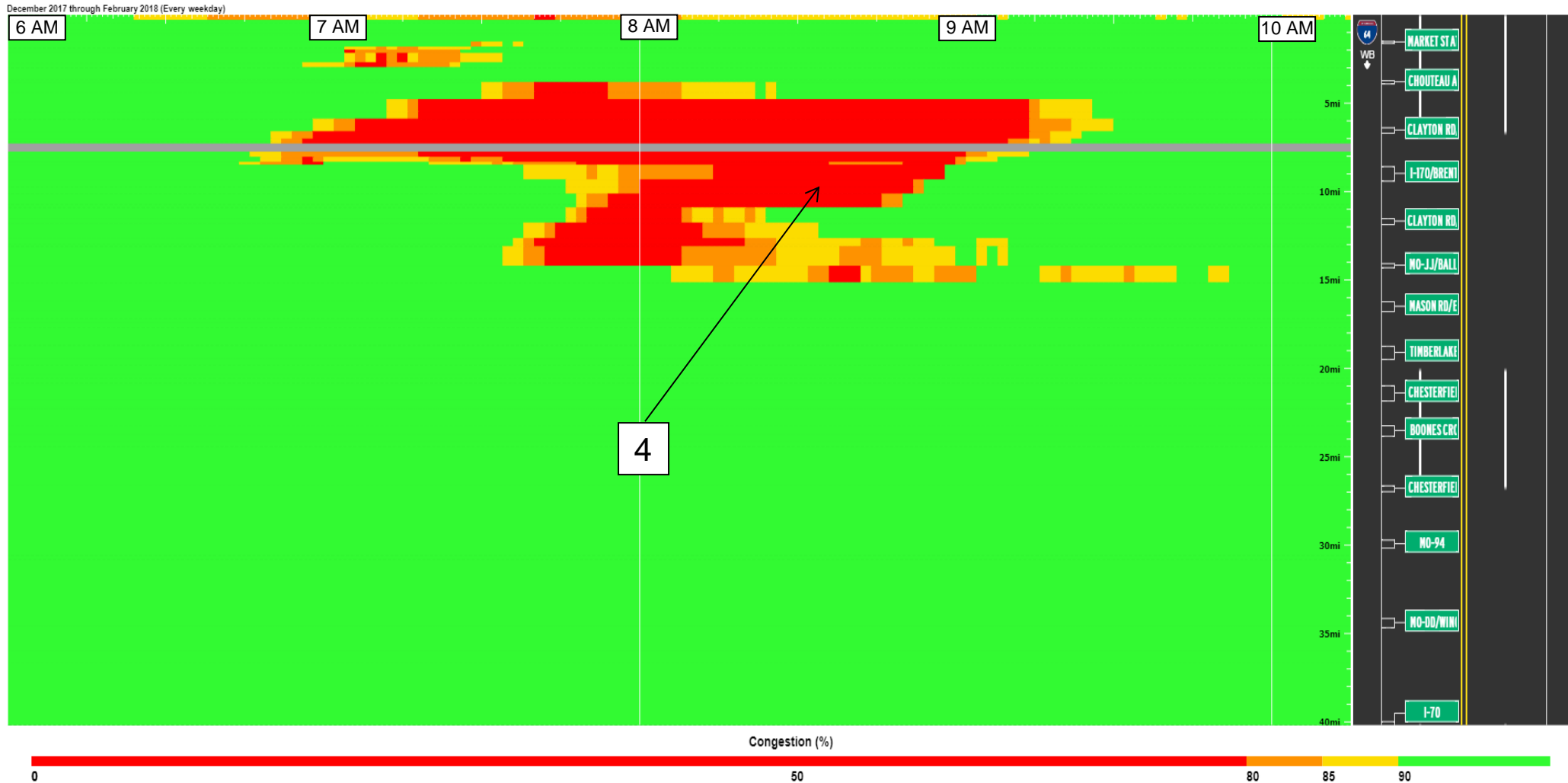
# FREEWAY MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019

AM 2017–18 WB I-64

## Congestion for I-64 Westbound using HERE data

Averaged by 2 minutes for December 2017 through February 2018 (Every weekday)



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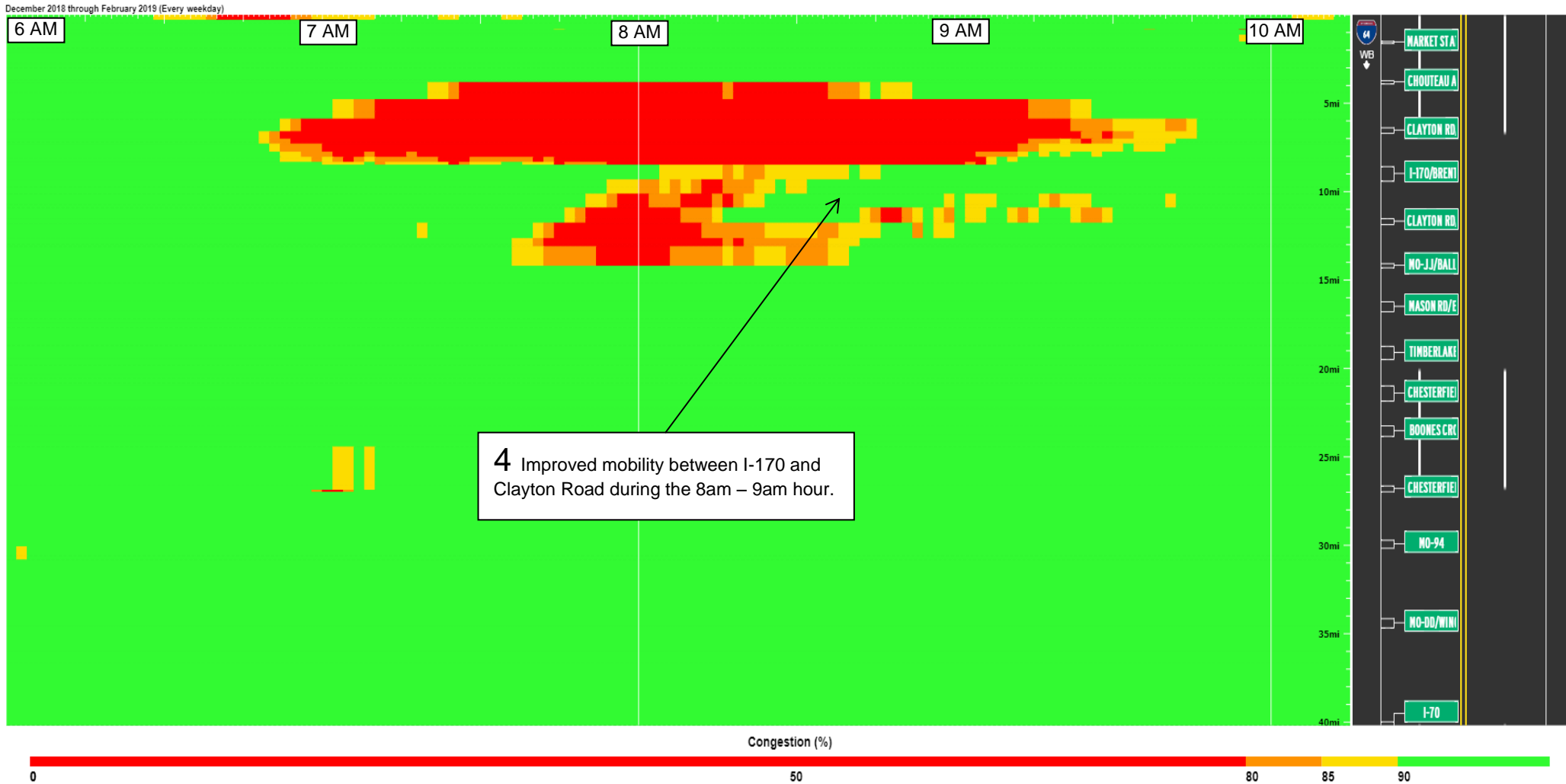
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AM 2018–19 WB I-64

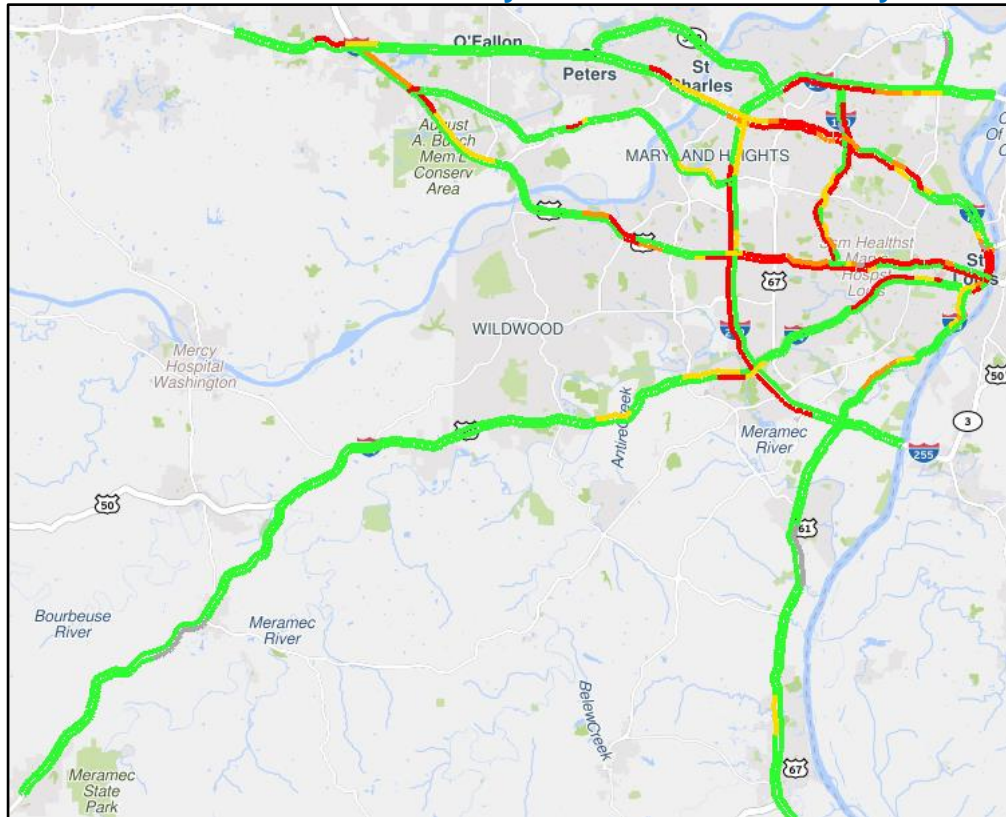
## Congestion for I-64 Westbound using HERE data

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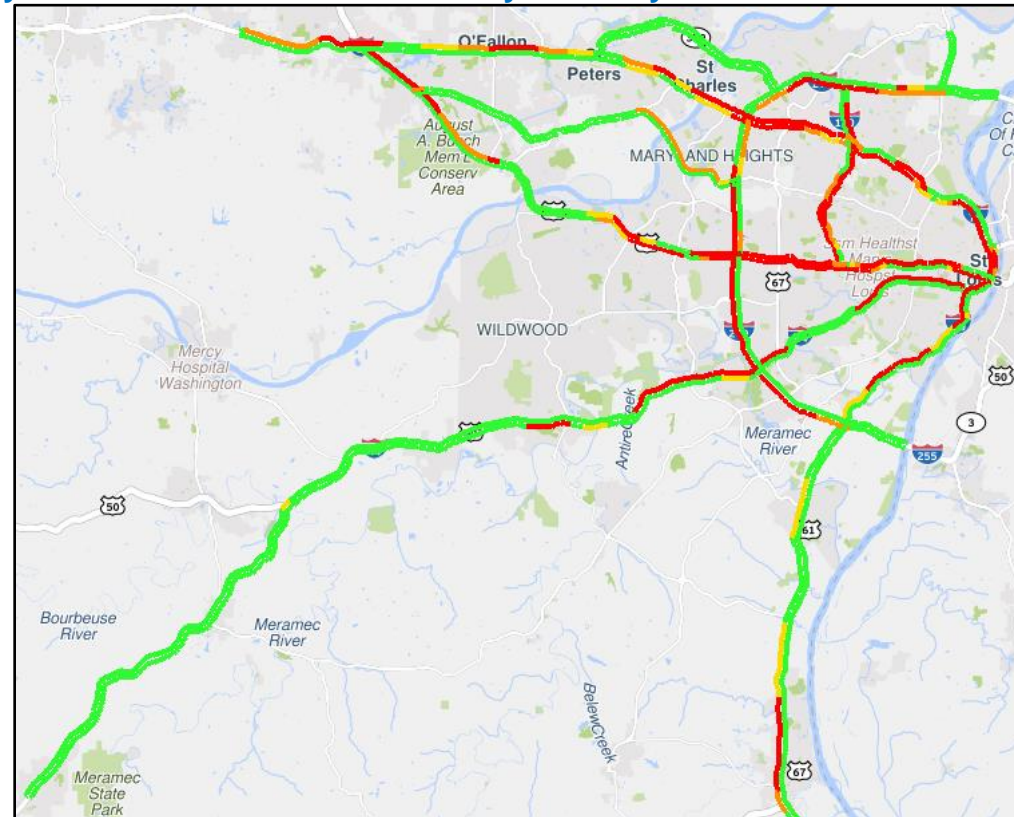


## DECREASE in Overall PM Mobility

PM Peak Mobility December 2017/January/February 2018 vs December 2018/January/February 2019 \*



2017-18



2018-19

Regional % of free-flow speed hourly breakdown\*\*:

	2017-18		2018-19
3 PM	99.9%	→	95.4%
4 PM	94.0%	→	88.0%
5 PM	89.4%	→	85.0%
6 PM	97.7%	→	95.5%

\* 5pm hour shown

\*\*Regional % of free-flow speed is the averaged % of free-flow speeds for all directions of all freeways within the St. Louis District. This provides a high-level measurement of overall regional mobility for each peak hour.

## Highlighted Corridor PM Summary I-64

Comparing PM December 2017/January/February 2018 vs December 2018/January/February 2019

PM EB I-64 Overall Mobility INCREASED 2017/18 → 2018/19

PM WB I-64 Overall Mobility DECREASED 2017/18 → 2018 /19  
throughout the PM Peak.

### Active Work Zones During Report Period

#### 2017 - 2018

Date	Route	Type of Work	Location	Lanes closed	Time
Dec 7- Feb 28	EB-I64	Bridge Work	EB I-44/NB I-55 Ramp to EB I-64 PSB	Ramp Closed	24 hours
Dec 7-8 Dec 11-13	WB-I64	Bridge Work	WB Across Poplar Street Bridge	Right Lane	9:00 am to 5:00 pm
Dec 13	EB-I64	Bridge Work	EB Across Poplar Street Bridge	Right Lane	6:00 am to 2:00 pm / 8:00 pm to 6:00 am
Dec 26-27	EB-I64	Bridge Work	EB Across Poplar Street Bridge	Right Lane	6:00 am to 2:00 pm / 8:00 pm to 6:00 am
Dec 26-27	WB-I64	Bridge Work	WB Across Poplar Street Bridge	Right Lane	9:00 am to 5:00 pm
Jan 1-10	EB-I64	Bridge Work	EB I-44/NB I-55 Ramp to EB I-64 PSB	Ramp Closed	24 hours
Jan 8-9	EB-I64	Bridge Work	EB Across Poplar Street Bridge	Right Lane	8:00 pm to 6:00 am / 6:00 am to 2:00 pm
Jan 10	WB-I64	Bridge Work	WB Across Poplar Street Bridge	Two Right lanes	8:00 pm to 5:00 am
Jan 17 - Feb 28	WB-I64	Bridge Work	WB Across Poplar Street Bridge	Left Lane	24 hours
Jan 17	WB-I64	Bridge Work	WB Across Poplar Street Bridge	Two Left Lanes	8:00 pm to 5:00 am
Jan 15-16	EB-I64	Bridge Work	EB Across Poplar Street Bridge	Right Lane	8:00 pm to 6:00 am / 6:00 am to 2:00 pm

#### 2018 - 2019

Date	Route	Type of Work	Location	Lanes closed	Time
Jan 26- Jan 28	EB I-64	Emergency Slide Repair	EB I-64 On-Ramp from Hanley/Brentwood	Ramp Closed	24 hours





# FREEWAY MANAGEMENT

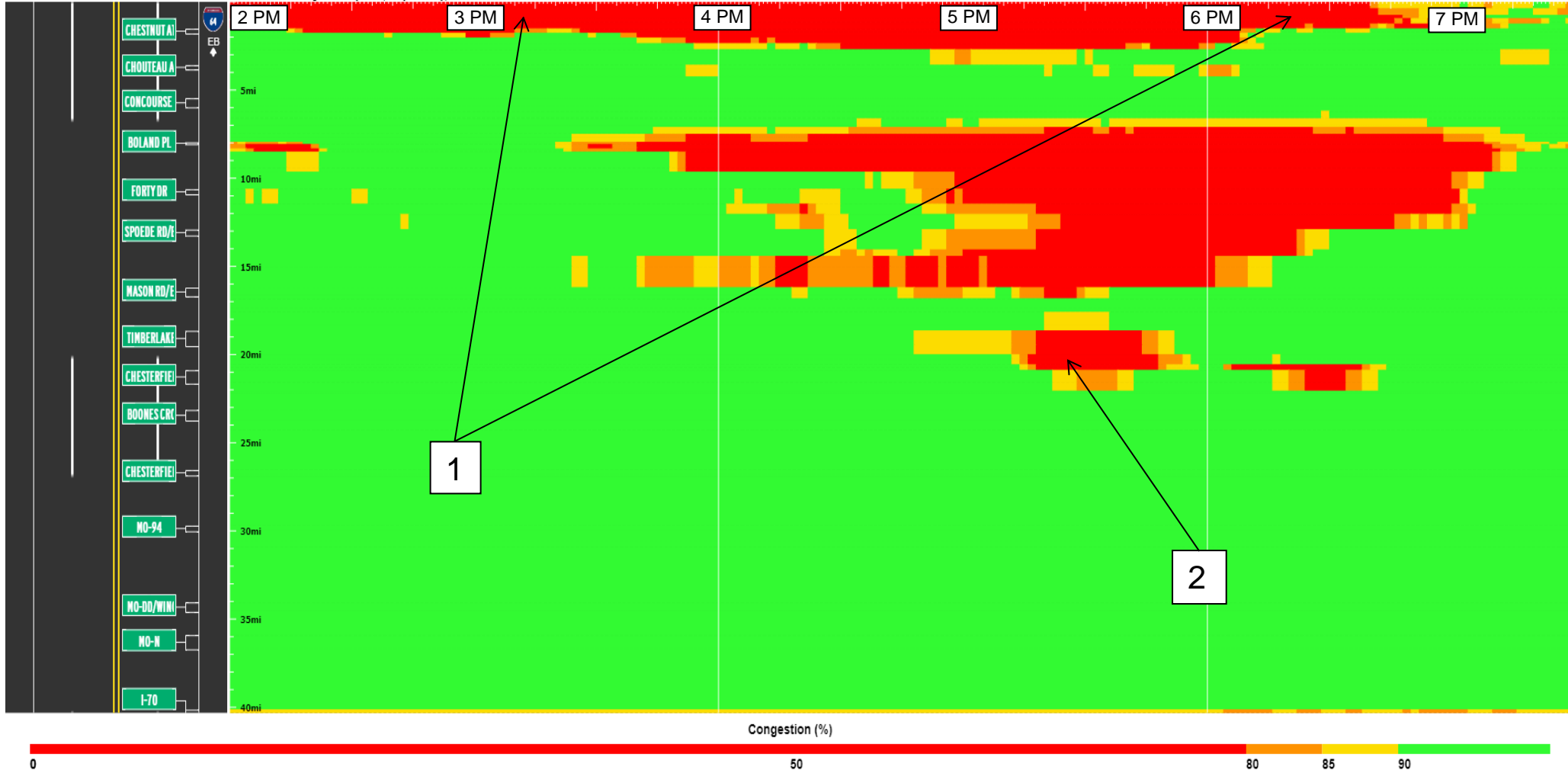
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PM 2017–18 EB I-64

## Congestion for I-64 Eastbound using HERE data

Averaged by 2 minutes for December 2017 through February 2018 (Every weekday)

December 2017 through February 2018 (Every weekday)





# FREEWAY MANAGEMENT

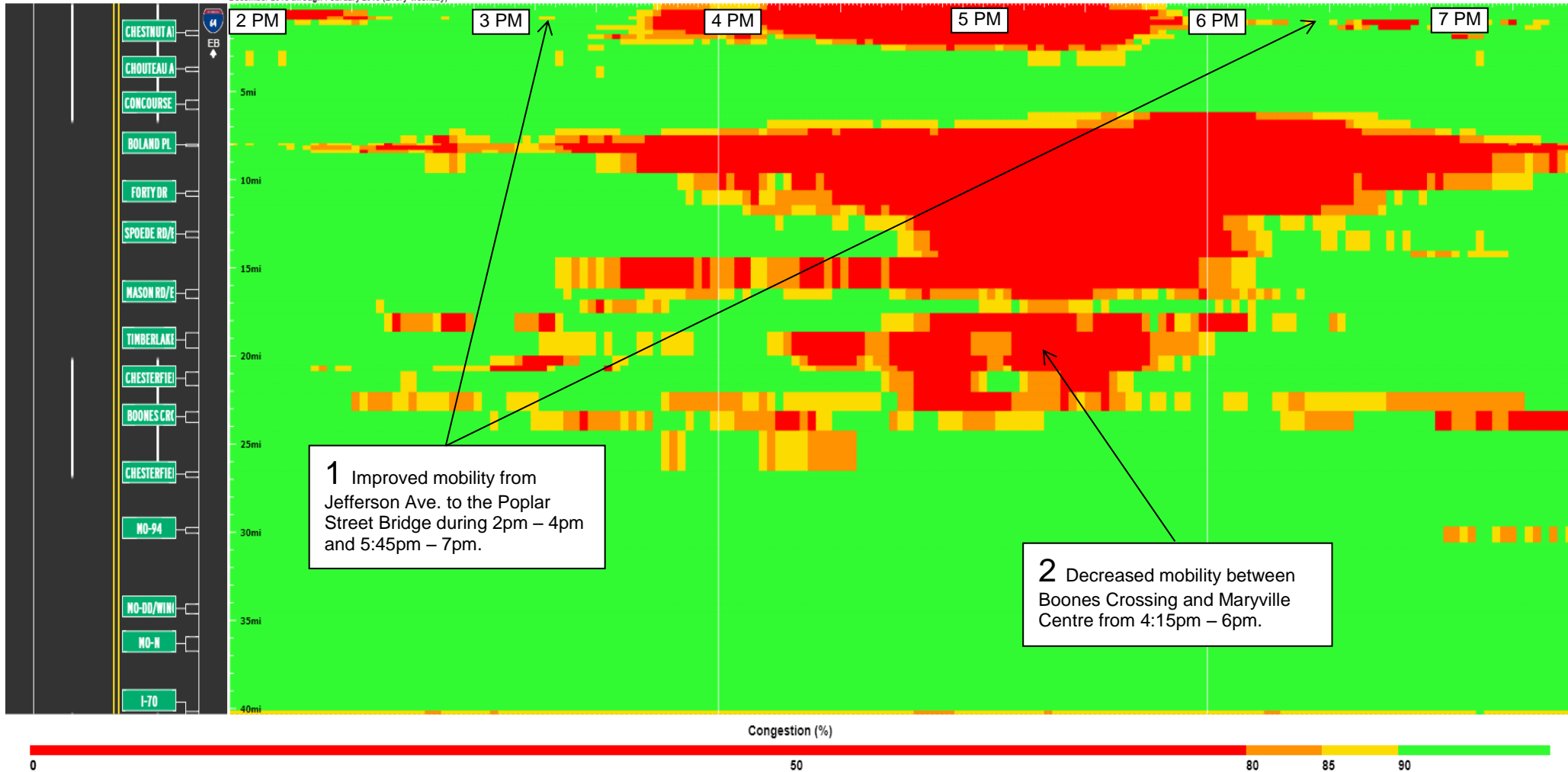
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PM 2018–19 EB I-64

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December 2018 through February 2019 (Every weekday)





# FREEWAY MANAGEMENT

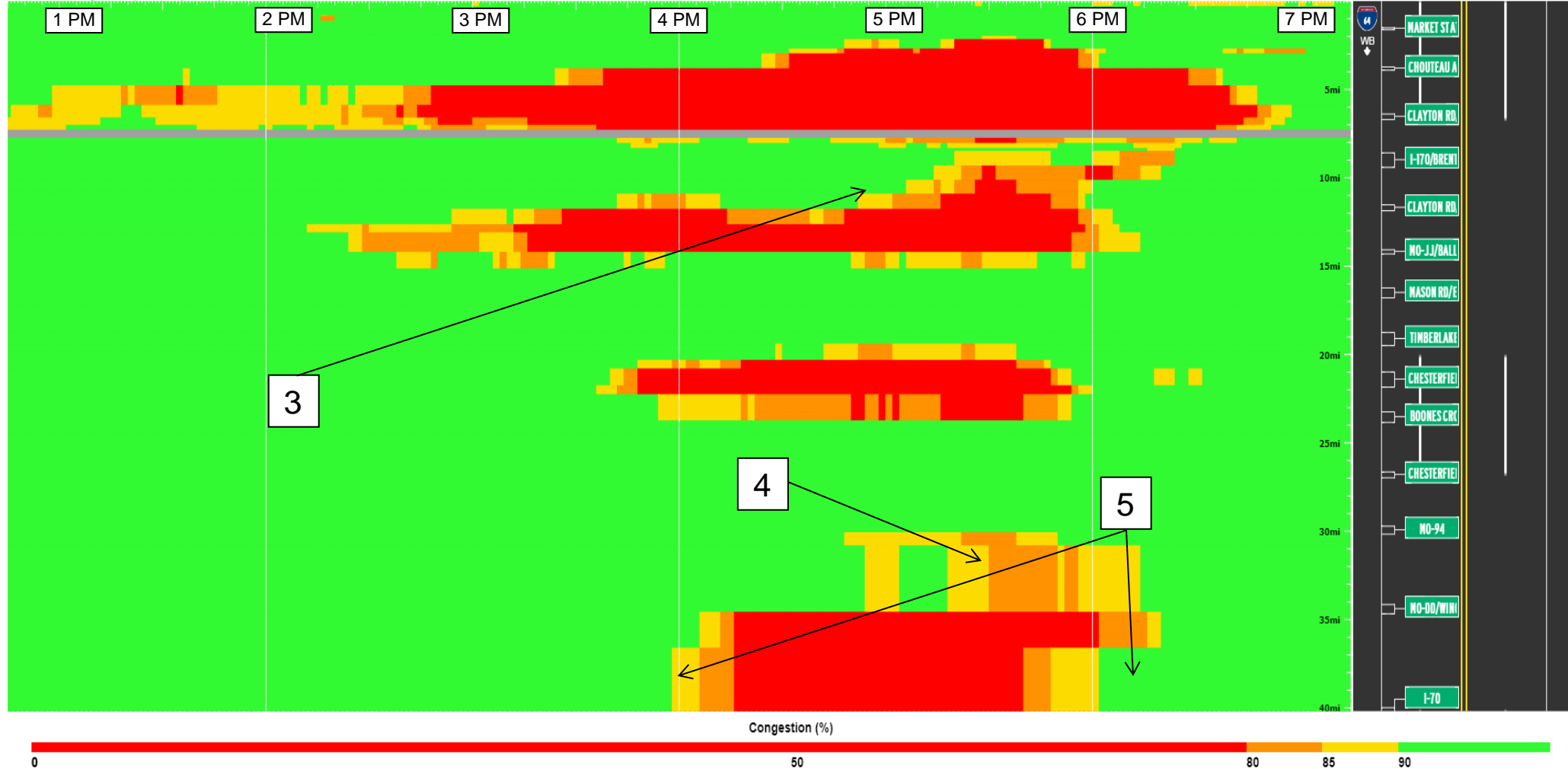
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PM 2017–18 WB I-64

## Congestion for I-64 Westbound using HERE data

Averaged by 2 minutes for December 2017 through February 2018 (Every weekday)

December 2017 through February 2018 (Every weekday)







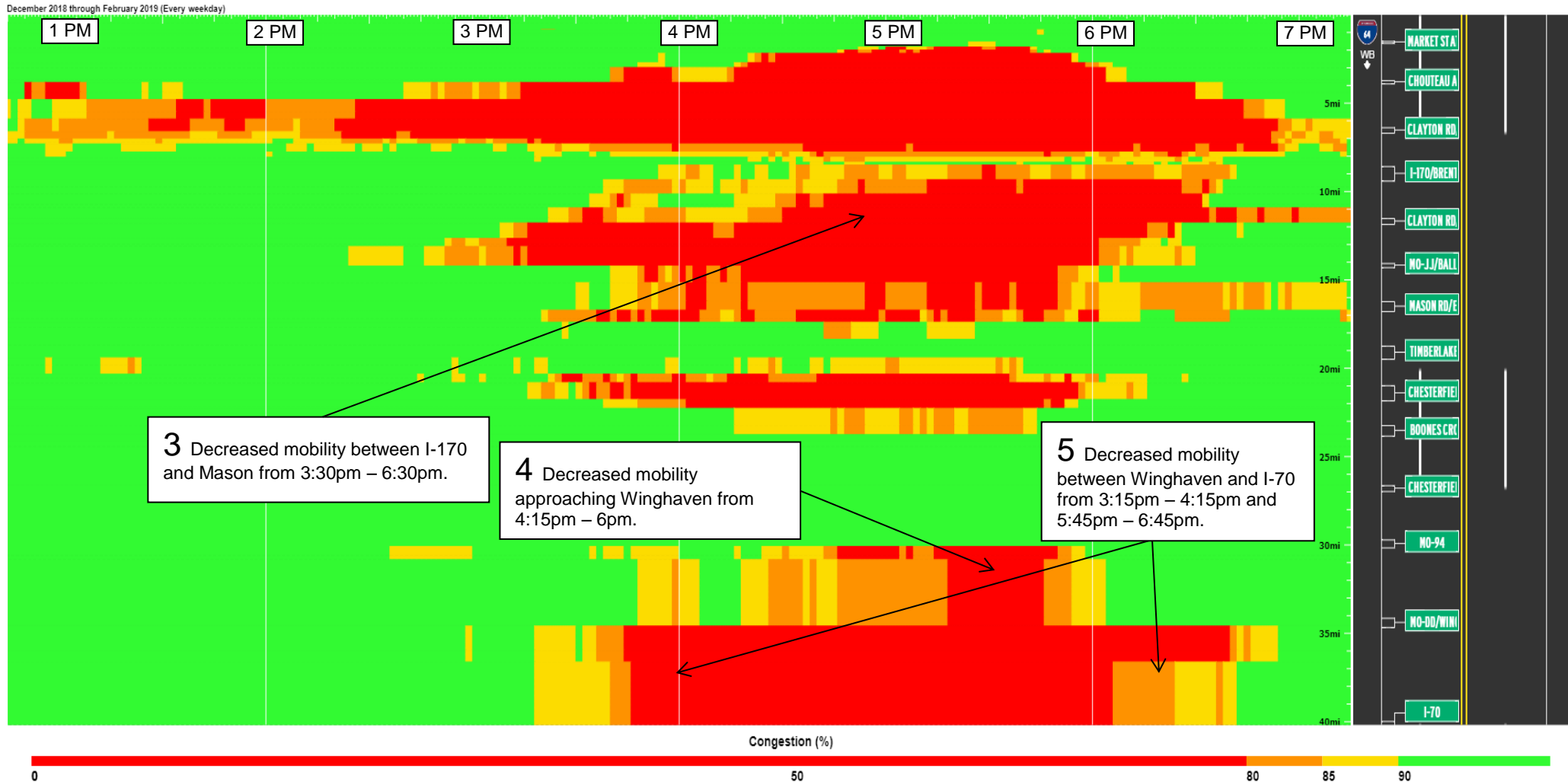
# FREEWAY MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019

PM 2018–19 WB I-64

## Congestion for I-64 Westbound using HERE data

Averaged by 2 minutes for December 2018 through February 2019 (Every weekday)





## TMC Observed Work Zones

	December 2018	January 2019	February 2019
Level of Travel Time Impact	Number of Work Zones	Number of Work Zones	Number of Work Zones
Major Impact	11	10	7
Moderate Impact	5	6	6
Minor Impact	158	85	109
Total	174	101	122

◆ Goal: 91%

### SL Mobility Rating:

- ◆ Dec 2018: 92%
- ◆ Jan 2019: 91%
- ◆ Feb 2019: 95%

### SL Visibility levels:

- ◆ Dec 2018: 93%
- ◆ Jan 2019: 95%
- ◆ Feb 2019: 97%



## Additional Travel Time Impacts through Work Zones

Major Impact (15 Minutes or Above): # Moderate Impact (10-14 Minutes): # # #

Westbound I-44 from Jefferson to I-270

22 13

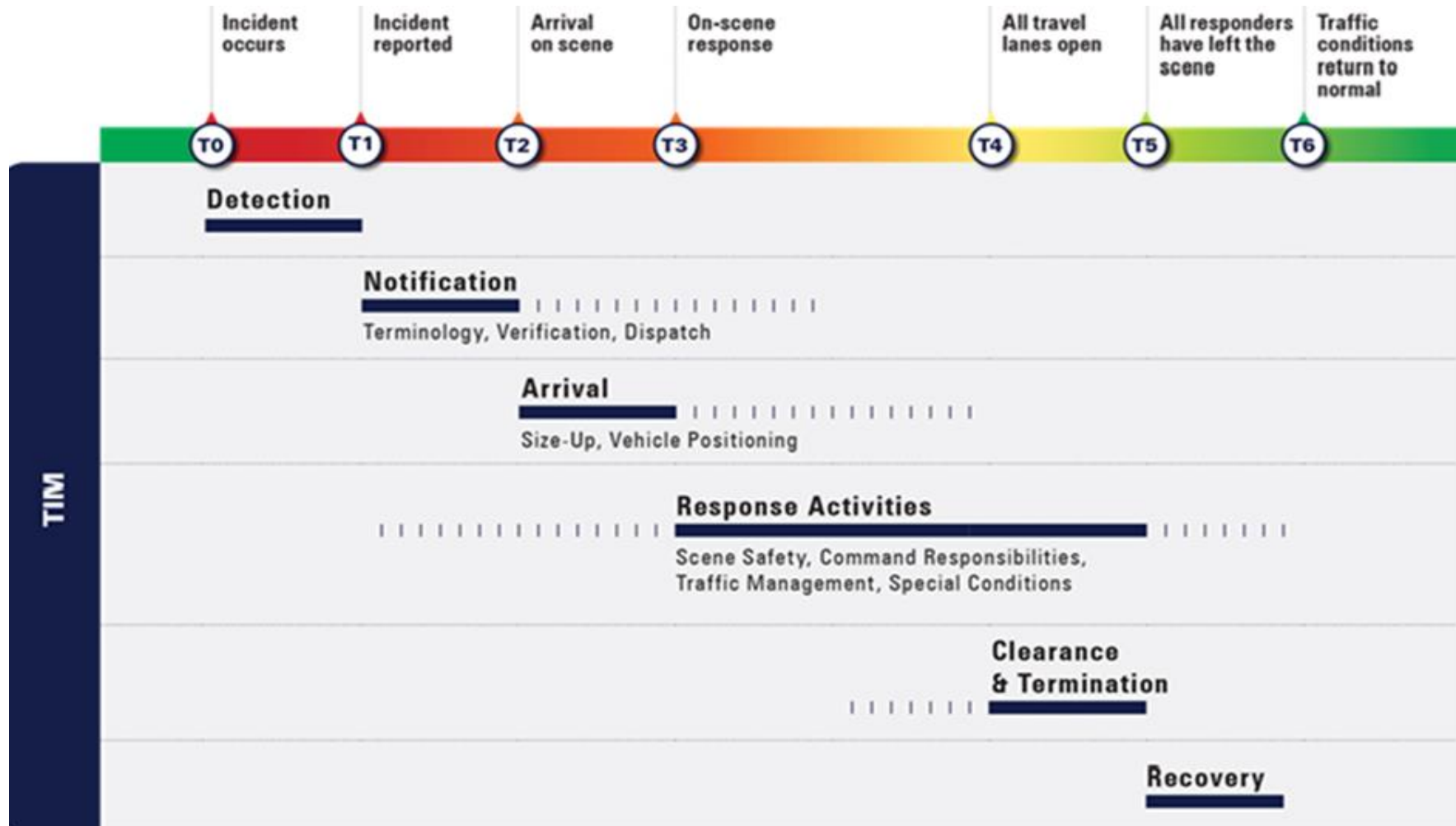
- Continued Bridge work with multiple project and daily lane closures
- All mitigation efforts were in use
- RITIS data recorded additional travel times with all delays during the AM-PM peak hours

Eastbound I-44 from I-270 to Jefferson\*

6 4

- Continued Bridge work with multiple projects and daily lane closures
- All mitigation efforts were in use
- RITIS data recorded additional travel times with all delays during the AM-PM peak hours

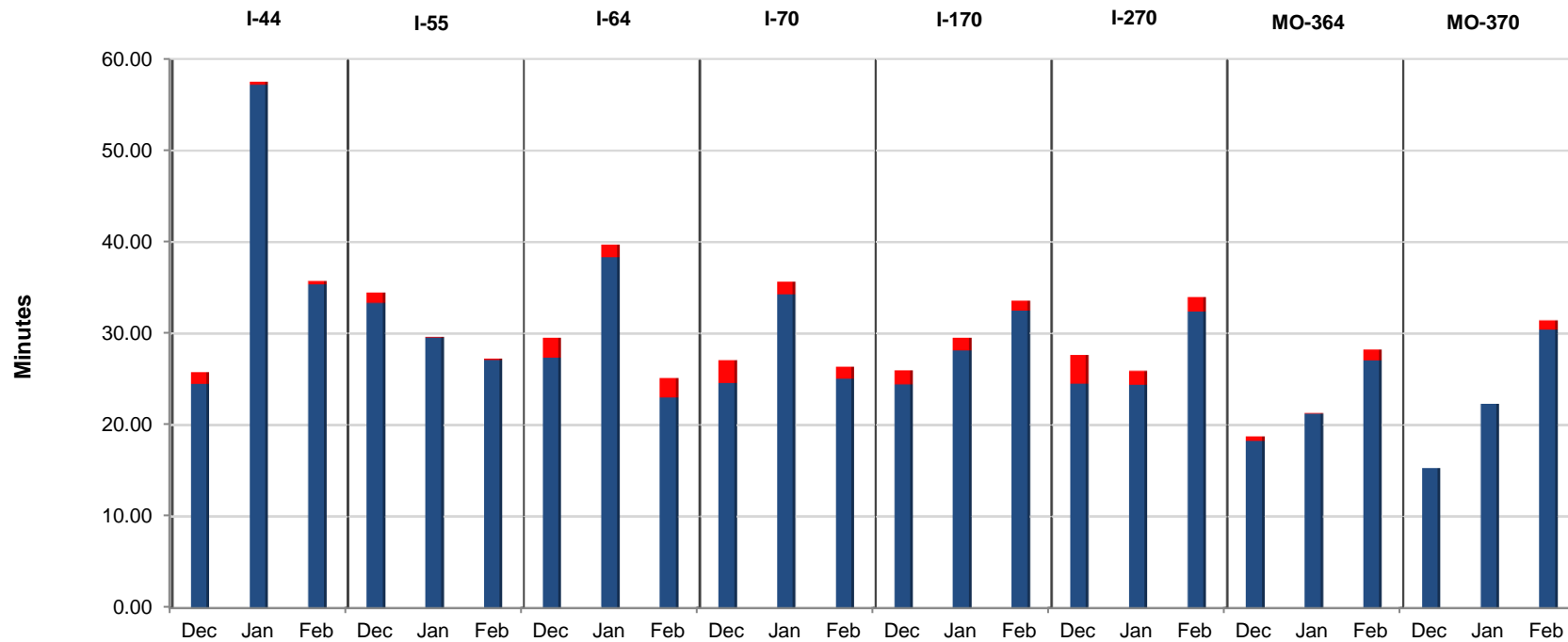
\* (2/7/2019) Eastbound I-44 before Jamieson Avenue – Potholes in the center lane of the work zone resulted in multiple vehicles with flat tires.







## December 2018 / January / February 2019 Incidents Summary



■ Average Time for Backup to Clear = T6 - T4

■ Average Time to Clear Incident from Lanes = T4 - T1



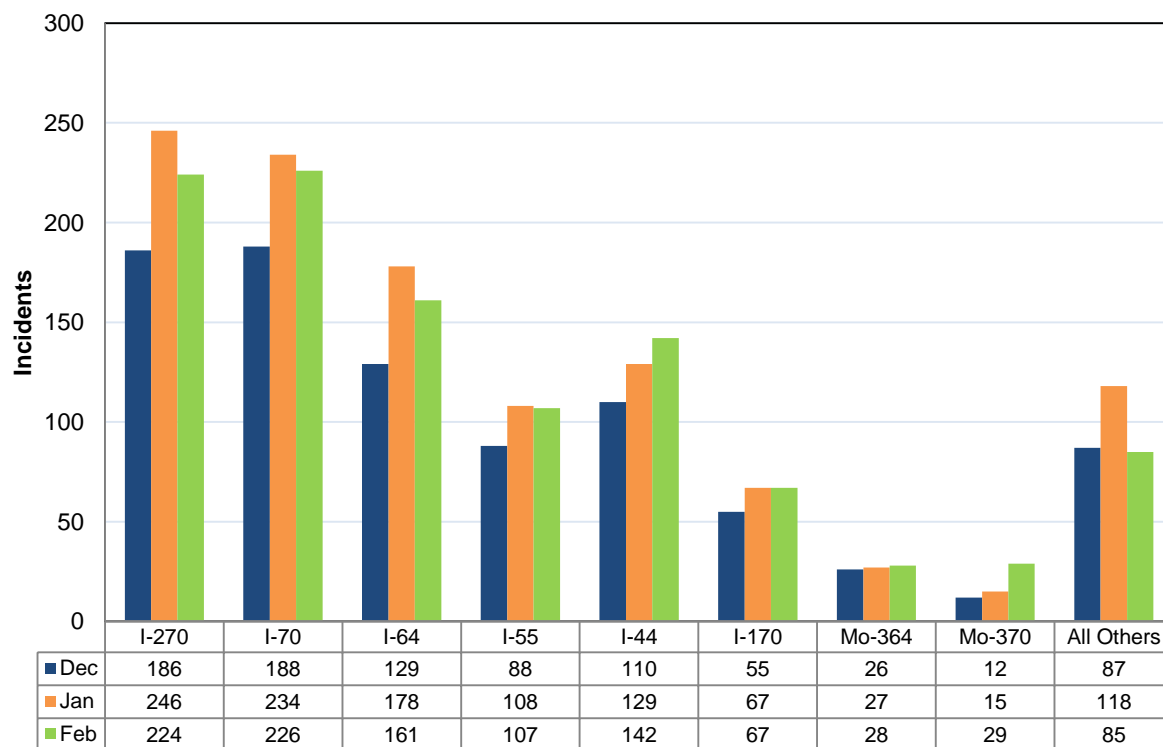
# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



**Total Number of Incidents: / December: 881 / January: 1122 / February: 1069**

**Total Number of Lane Blocking Incidents**



## Major Impact Incidents

Dec	Jan	Feb
(4)	(3)	(0)

## Fatal Incidents

Dec	Jan	Feb
(12)	(10)	(3)

## Tractor Trailer Incidents

Dec	Jan	Feb
(52)	(127)	(81)



# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



## Lane Blocking Incidents by Freeway December 2018, January and February 2019

Interstate	Month	Number of Incidents	Average Time to Clear Incident from Lanes = T4 - T1	Average Time for Backup to Clear = T6 - T4	Freeway Miles	Incidents per Mile
I-44	December	110	24:50	00:37	33	3.33
I-44	January	129	57:19	02:23	33	3.91
I-44	February	142	35:38	00:34	33	4.30
I-55	December	88	33:34	01:31	23	3.83
I-55	January	108	29:57	00:04	23	4.70
I-55	February	107	27:11	00:18	23	4.65
I-64	December	129	27:37	02:14	40	3.23
I-64	January	178	38:31	01:38	40	4.45
I-64	February	161	23:02	02:11	40	4.03
I-70	December	188	24:56	02:54	38	4.95
I-70	January	234	34:29	01:39	38	6.16
I-70	February	226	25:04	01:29	38	5.95
I-170	December	55	24:44	01:51	11	5.00
I-170	January	67	28:17	01:38	11	6.09
I-170	February	67	32:53	01:04	11	6.09
I-270	December	186	24:36	03:10	36	5.17
I-270	January	246	24:16	01:56	36	6.83
I-270	February	224	32:41	01:59	36	6.22
MO-364	December	26	18:23	00:53	11	2.36
MO-364	January	27	21:20	00:08	11	2.45
MO-364	February	28	27:08	01:17	11	2.55
MO-370	December	12	11:00	00:00	13	0.92
MO-370	January	15	22:28	00:00	13	1.15
MO-370	February	29	30:45	01:00	13	2.23
Total	Dec/Jan/Feb	2782	28:22	01:21	602	4.62



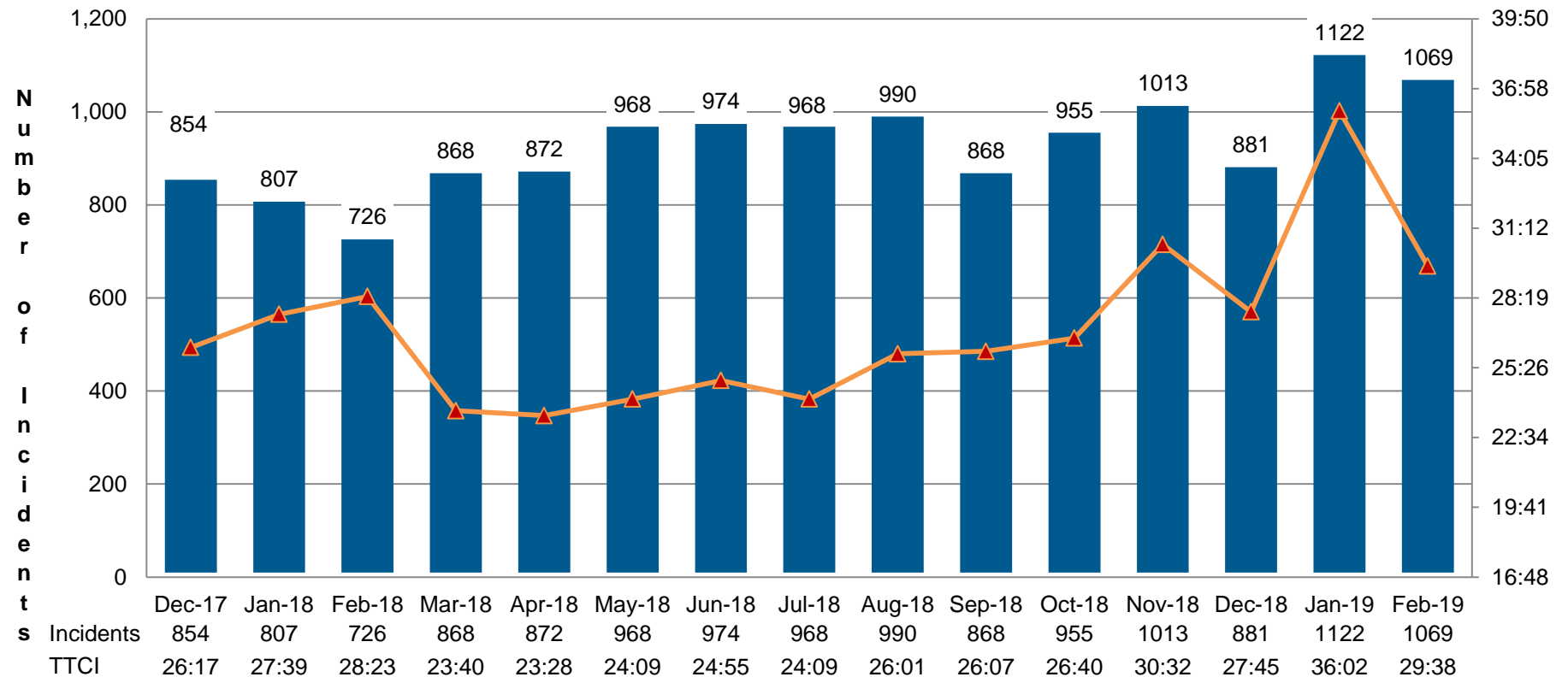
# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



2017 - 2019 Number of Incidents and Time to Clear

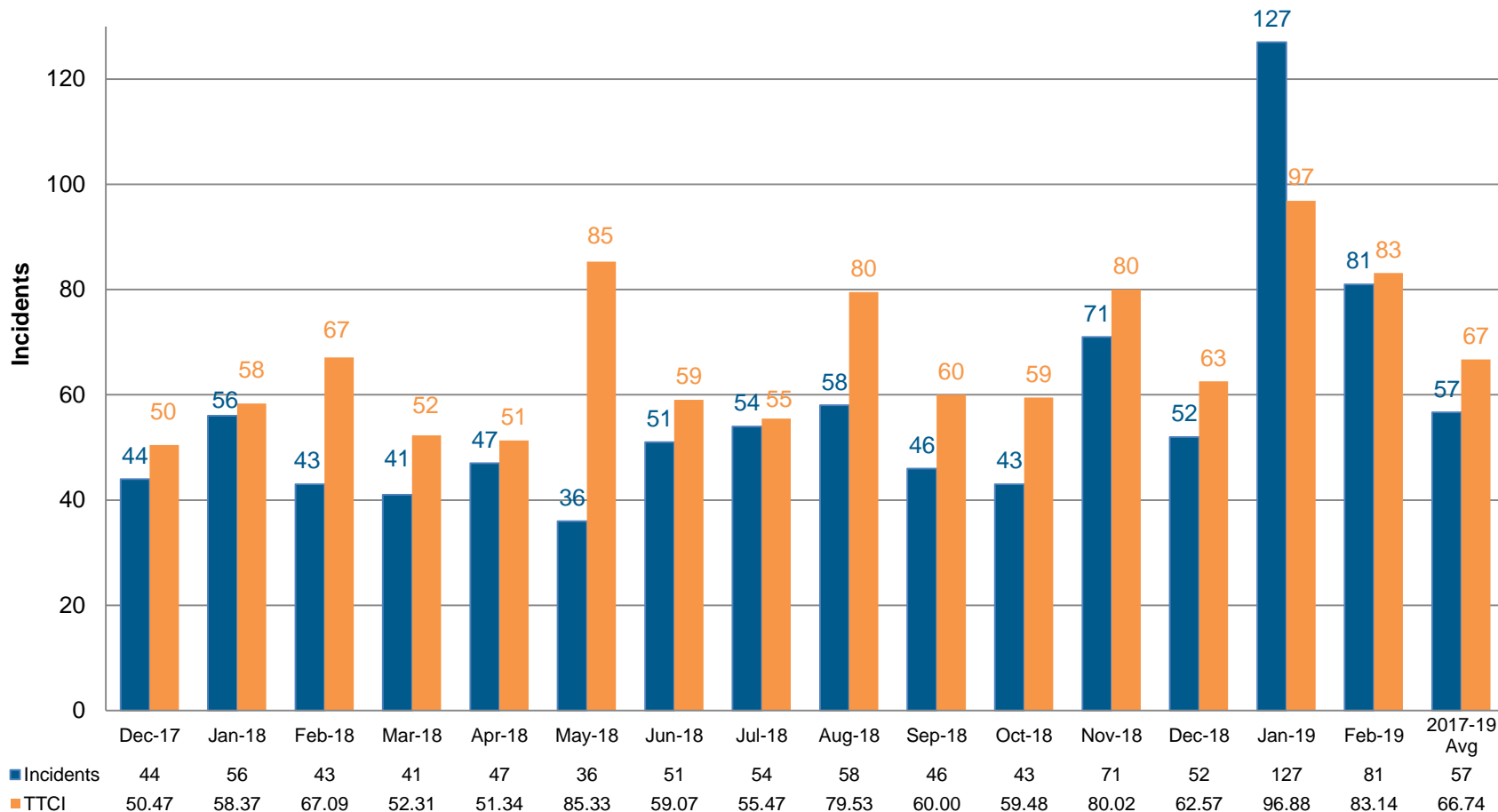
Time to Clear Incidents







2017 - 2019 Number of Tractor Trailer Incidents / Time to Clear





# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



2018 Tractor Trailer Incidents by Route

2018	I-44	I-55	I-64	I-70	I-170	I-255/I-270	Route 364	Route 370	Other	Total
Jan	10	2	8	15	3	16	0	1	1	56
Feb	9	3	4	12	1	11	0	0	3	43
Mar	6	9	1	14	0	10	0	0	1	41
Apr	12	4	5	12	0	9	0	1	3	47
May	11	4	3	11	0	6	0	1	0	36
Jun	10	4	8	20	0	8	0	1	0	51
Jul	14	6	9	13	1	7	0	2	2	54
Aug	13	6	4	16	1	14	0	1	3	58
Sep	14	5	7	7	0	11	0	0	2	46
Oct	6	1	7	11	0	12	0	0	4	41
Nov	19	10	7	19	1	13	0	1	1	71
Dec	13	7	2	17	0	10	0	0	3	52
Yearly Total	137	61	65	167	7	127	0	8	23	595



# INCIDENT MANAGEMENT

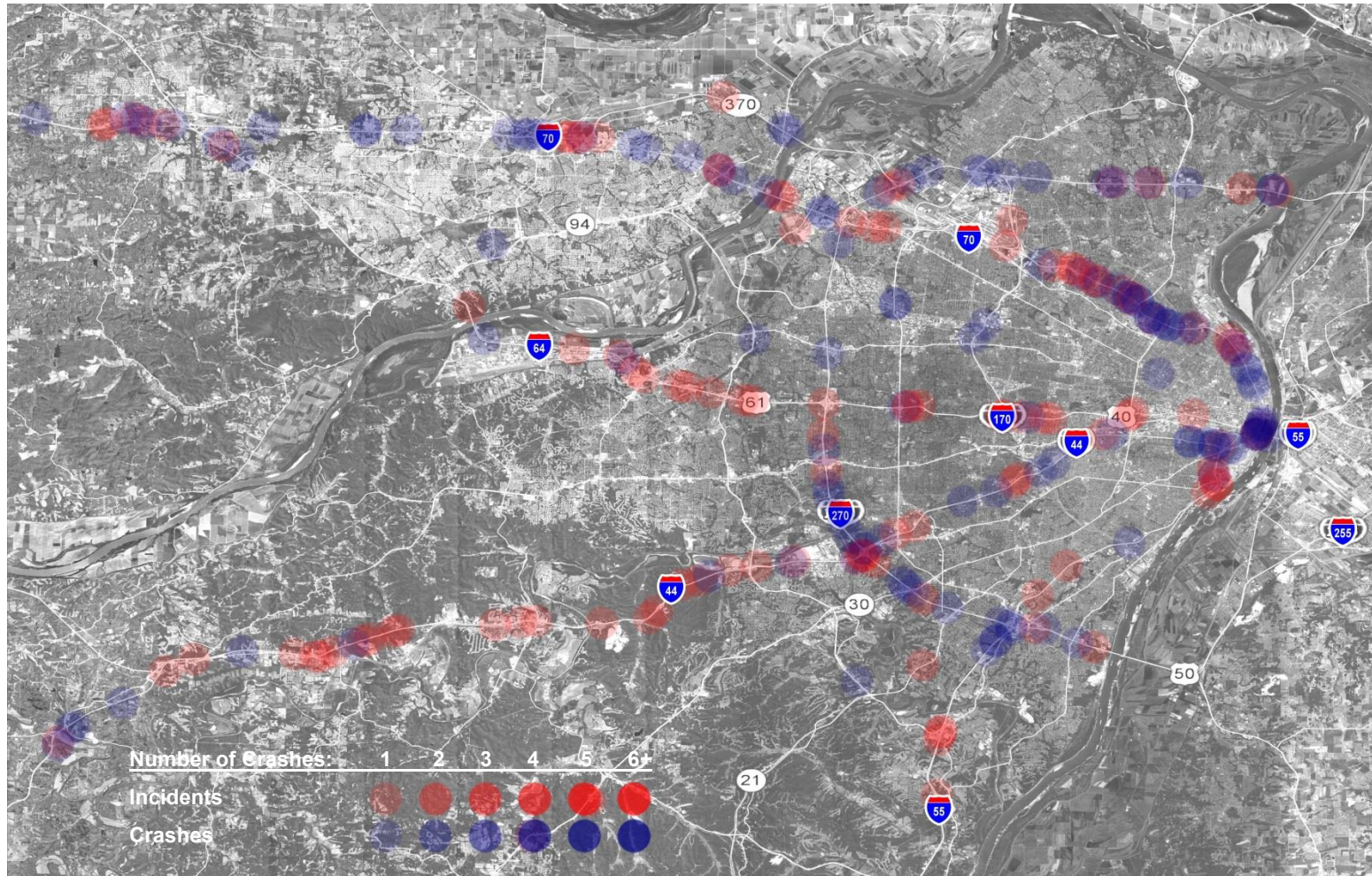
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2019 Tractor Trailer Incidents by Route

2019	I-44	I-55	I-64	I-70	I-170	I-255/I-270	Route 364	Route 370	Other	Total
Jan	32	11	23	35	4	13	1	2	6	127
Feb	22	10	6	24	2	14	0	2	1	81
Mar										
Apr										
May										
Jun										
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
Yearly Total	54	21	29	59	6	27	1	4	7	208

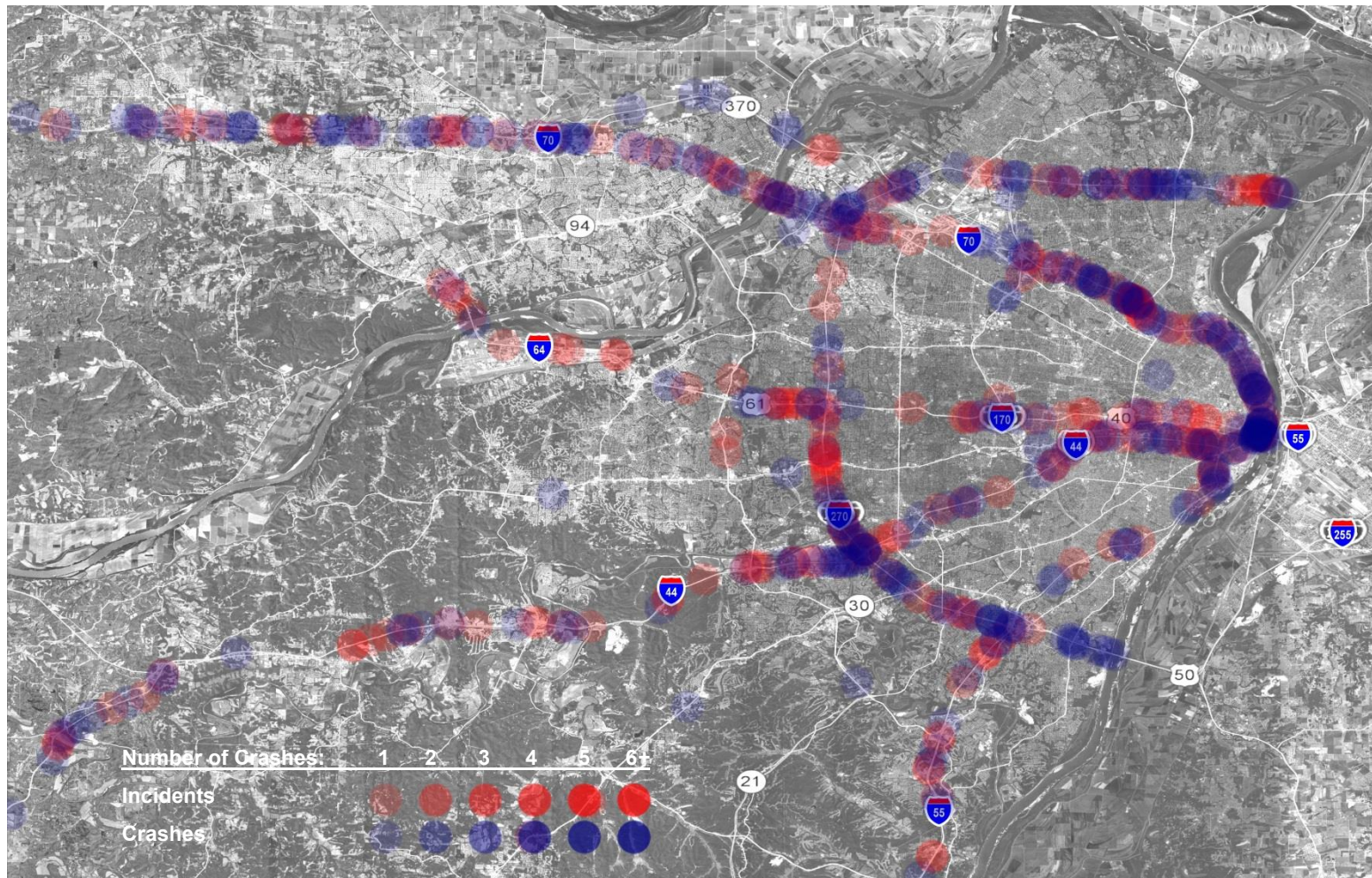
*December 2018 – January/February 2019 Tractor Trailer Incidents Map*







*January 2018 – December 2018 Tractor Trailer Incidents Map*





# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



Incidents over Two Hours December 2018 / January / February 2019

Incidents in red denote high mobility impact

#	Date & Time	Day of Week	Route	Location	Description	Duration HH/MM
1	12/3/2018 0:27	Monday	I-70 EB	AT ST LOUIS AVE	Single vehicle hit and run with fatal pedestrian strike	2:07
2	12/3/2018 2:03	Monday	I-70 WB	PAST CAVE SPRINGS/ TRUMAN RD	Police chase with suspect fatally struck while attempting to flee across I-70 on foot	3:04
3	12/3/2018 2:04	Monday	I-70 EB	BEFORE CAVE SPRINGS/ TRUMAN RD	Police chase in EB lanes suspect struck in WB lanes emergency vehicles staged in EB lanes	3:02
4	12/5/2018 18:11	Wednesday	PAGE BLVD	TAYLOR AVE CST	Tractor trailer struck signal mast arm	2:52
5	12/5/2018 21:02	Wednesday	U RT	FARLEY AVE CST	Two-vehicle fatal crash	4:06
6	12/11/2018 6:05	Tuesday	I-55 SB	PAST US 67	Multi-vehicle crash with two tractor trailers/box truck off road with spilled load, two cars and injuries	9:06
7	12/11/2018 13:18	Tuesday	I-270 NB	BEFORE I-64	Multi-vehicle fatal crash with injuries	2:19
8	12/11/2018 21:36	Tuesday	I-55 NB	BEFORE RICHARDSON RD	Tractor trailer crash with 150 gallons of diesel spilled	3:30
9	12/11/2018 22:43	Tuesday	I-44 WB	ON RAMP FROM LINDBERGH BLVD	Single vehicle fatal crash with vehicle leaving road and ending up in pond resulting in one other critical injury	3:32
10	12/14/2018 3:19	Friday	I-44 EB	AT ROUTE O	Single vehicle tractor trailer crash into guard cable	3:02
11	12/14/2018 9:32	Friday	I-70 WB	PAST MO 370	Mud spilled on roadway caused cleanup operation	3:12
12	12/15/2018 6:26	Saturday	I-255 EB	AT TELEGRAPH RD	Jackknifed tractor trailer with 120 gallons diesel spilled	3:22
13	12/17/2018 3:04	Monday	I-64 EB	AT MISSISSIPPI RIVER	Two-vehicle fatal crash tractor trailer vs. vehicle	2:25
14	12/17/2018 6:13	Monday	OLIVE EB	7200	Single-vehicle fatal crash with downed utility pole	4:35
15	12/17/2018 7:08	Monday	340 MO	MIDLAND AVE CST	Emergency vehicles for Ameren repairs	4:16
16	12/17/2018 8:50	Monday	I-70 EB	TO CHURCH ST/ROUTE Z	Overtaken single-vehicle fatal crash	4:11
17	12/18/2018 12:24	Tuesday	I-55 SB RP	I-270 NB IS	Single-vehicle tractor trailer crash with hazmat spill	4:10
18	12/18/2018 12:39	Tuesday	I-270 NB	AT I-55	Emergency vehicles for hazmat spill and cleanup	3:55
19	12/18/2018 14:58	Tuesday	I-55 NB	PAST BUTLER HILL RD	Three-vehicle fatal crash two injuries and two fatalities	2:41
20	12/21/2018 10:32	Friday	I-44 EB	PAST ROUTE JJ/W	Two-vehicle crash with MSHP trooper struck	2:42





# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



#	Date & Time	Day of Week	Route	Location	Description	Duration HH/MM
21	12/25/2018 8:18	Tuesday	I-64 EB	ON RAMP FROM I-44 EB	Single-vehicle overturned tractor trailer crash	3:27
22	12/27/2018 8:39	Thursday	MO 141 SB	PAST CREVE COEUR MILL RD	Stalled truck delay waiting on mechanic response	2:00
23	1/3/2019 11:10	Thursday	I-270 WB	AT NEW FLORISSANT RD	Large holes in bridge deck discovered	4:09
24	1/11/2019 15:16	Friday	I-64 EB	PAST OLIVE BLVD	5 stalled vehicles in snow pushed to shoulder by ER	3:03
25	1/11/2019 15:31	Friday	I-64 EB	PAST MARYVILLE CENTRE DR	31 stalled vehicles in snow closed all lanes	12:44
26	1/11/2019 16:21	Friday	I-64 EB	ON RAMP FROM WOODS MILLS RD	Stalled bus blocked by vehicles stuck on ramp in snow	2:32
27	1/11/2019 16:35	Friday	I-64 EB	PAST OLIVE BLVD	2 cars and 2 tractor trailers stalled and 2 jackknifed	3:34
28	1/11/2019 17:25	Friday	I-55 NB	PAST POTOMAC ST	2 cars and 3 tractor trailers stalled in snow	2:24
29	1/11/2019 17:50	Friday	I-44 EB	TO I-270 NB	1 car 1 tractor trailer stalled blocking ramp in snow	3:59
30	1/11/2019 17:53	Friday	I-55 SB	PAST UNION RD	3 cars 3 tractor trailers stalled in snow	3:29
31	1/11/2019 17:58	Friday	I-44 EB	BEFORE WASHINGTON	Single-vehicle crash jackknifed tractor trailer	3:20
32	1/11/2019 18:14	Friday	I-70 EB	AT GOODFELLOW	1 bus and 3 tractor trailers stalled in snow	5:43
33	1/11/2019 18:25	Friday	21 MO	SUSON HILLS RD CRD	3 cars 2 trucks and a tractor trailer stalled in snow	2:46
34	1/11/2019 18:27	Friday	I-64 WB	PAST CLAYTON RD	2 cars and a tractor trailer stalled in snow	4:10
35	1/11/2019 18:31	Friday	I-64 WB	BEFORE WOODS MILL RD	20 cars, 6 SUVs and 24 tractor trailers stalled in snow	3:59
36	1/11/2019 18:35	Friday	I-64 WB	PAST SKINKER BLVD/CLAYTON RD	2 cars, 1 truck and 2 SUVs stalled in snow	2:01
37	1/11/2019 19:03	Friday	I-44 EB	BEFORE ANTIRE RD	2 tractor trailers stalled one of them jackknifed	8:25
38	1/11/2019 19:25	Friday	I-64 EB	TO KINGSHIGHWAY BLVD	Jackknifed tractor trailer on ramp	2:24
39	1/11/2019 20:00	Friday	I-170 SB	TO I-64 EB	6 cars and 2 tractor trailers stalled in snow	3:04
40	1/11/2019 20:00	Friday	I-44 WB	PAST BUS 44 SIX FLAGS RD	2 cars, 1 truck, 1SUV and 2 tractor trailers stalled	3:48
41	1/11/2019 20:15	Friday	I-64 EB	PAST BOONES CROSSING	3 cars 2 trucks, 2 SUVs and 2 tractor trailers stalled	7:37
42	1/11/2019 20:47	Friday	I-70 WB	PAST JENNINGS STA RD	Tractor trailer stalled in snow	3:22
43	1/11/2019 21:16	Friday	I-44 WB	BEFORE ANTIRE RD	2 tractor trailers stalled had to be pushed by ER	9:14
44	1/11/2019 22:23	Friday	PAGE AVE	I-170 NB IS	A car was abandoned in the lane and had to be towed	2:00



# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



#	Date & Time	Day of Week	Route	Location	Description	Duration HH/MM
45	1/11/2019 22:47	Friday	I-64 WB	AT LINDBERGH BLVD	Stalled tractor trailer in snow	2:02
46	1/11/2019 22:58	Friday	I-64 WB	BEFORE BALLAS RD	Stalled car in snow	2:58
47	1/11/2019 23:25	Friday	I-44 EB	AT MO 109	6 tractor trailers stalled in snow	5:29
48	1/11/2019 23:26	Friday	MO 141 SB	PAST I-64	Car stalled in snow	3:13
49	1/12/2019 2:01	Saturday	I-44 EB	BEFORE SIX FLAGS RD	2 tractor trailers stalled in snow	3:55
50	1/12/2019 8:28	Saturday	I-44 EB	PAST PACIFIC	4 tractor trailers stalled in snow	4:02
51	1/12/2019 8:20	Saturday	I-44 EB	AT MO 100 EAST	Emergency vehicles closed lanes diverted traffic	3:30
52	1/12/2019 13:53	Saturday	MO 141 NB	PAST DUTCH MILL DR	2 abandoned cars and a box truck stalled in snow	2:15
53	1/12/2019 15:47	Saturday	I-64 EB	ON RAMP FROM MO 141	Plow vehicle in ditch had to be towed out	2:16
54	1/13/2019 12:44	Sunday	I-70 WB	BEFORE ROUTE T/W	Overtaken tractor trailer crash	2:21
55	1/15/2019 13:17	Tuesday	79 MO	DYER RD CRD	Two-vehicle fatal crash	2:27
56	1/15/2019 16:59	Tuesday	NATURAL BRIDGE	FAIR AVE CST	Two-vehicle fatal crash police chase and investigation	2:51
57	1/16/2019 11:09	Wednesday	BRYAN ST	70 OR	Single-vehicle crash tractor trailer ran off road	2:12
58	1/18/2019 18:40	Friday	I-70 WB	TO JENNINGS STATION RD	Two-vehicle fatal crash toddler fell out car was struck	2:26
59	1/20/2019 15:17	Sunday	I-270 NB	BEFORE MANCHESTER RD	Multi-vehicle fatal crash with reconstruction	2:44
60	1/21/2019 5:26	Monday	I-70 EB	BEFORE LAKE ST LOUIS BLVD	Single-vehicle fatal pedestrian strike	2:39
61	1/21/2019 6:54	Monday	I-70 EB	BEFORE I-64	Tractor trailer carrying concrete slab slid into cab	2:30
62	1/21/2019 7:25	Monday	I-70 EB	BEFORE WENTZVILLE PKWY	Tractor trailer carrying meat caught fire	3:58
63	1/21/2019 21:06	Monday	I-70 EB	BEFORE WENTZVILLE PKWY	Delayed recovery of tractor trailer carrying meat	5:32
64	1/23/2019 19:35	Wednesday	US 67 SB	PAST MEYER RD	Multi-vehicle fatal crash with reconstruction	3:32
65	1/23/2019 20:36	Wednesday	US 67 SB	PAST MEYER RD	Overtaken tractor trailer secondary crash	4:34
66	1/25/2019 5:02	Friday	I-270 NB	PAST DORSETT RD	Two-vehicle crash a tractor trailer down embankment	9:00
67	1/25/2019 15:05	Friday	MO 141 NB	PAST I-70	Single-vehicle crash with pedestrian fatally struck	3:17
68	1/25/2019 17:52	Friday	ROUTE W NB	PAST I-70	Utility break with gas leak	3:05
69	1/27/2019 7:50	Sunday	I-55 NB	BEFORE MERAMEC BOTTOM RD	Three-vehicle crash	2:09





# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



#	Date & Time	Day of Week	Route	Location	Description	Duration HH/MM
70	1/27/2019 17:27	Sunday	I-44 WB	PAST ROUTE AH	Police pursuit turned fatal crash car vs. tractor trailer	2:51
71	1/28/2019 19:38	Monday	US 67 NB	PAST NEW HALLS FERRY RD	Two-vehicle crash with downed utility pole	5:12
72	1/28/2019 20:28	Monday	340 MO	FIELD AVE CST	Utility damage metropolitan sewer district icy road	3:55
73	1/29/2019 12:06	Tuesday	367 OR	PARKER RD CST	Traffic control for structure fire with fatality	2:39
74	1/30/2019 5:41	Wednesday	I-70 EB	PAST ROUTE K	Two-vehicle fatal crash with fire and reconstruction	3:50
75	2/1/2019 7:26	Friday	I-64 EB	PAST HANLEY RD	Three tractor trailers traveling together 1 stalled out	5:41
76	2/2/2019 19:06	Saturday	I-44 WB	BEFORE HAMPTON AVE	Three-vehicle crash with injuries waiting on tow	2:29
77	2/4/2019 12:02	Monday	I-70 EB	PAST FLORISSANT RD	Stalled tractor trailer with broken air lines	2:32
78	2/10/2019 4:28	Sunday	I-55 SB	AT US 67	Single-vehicle overturned tractor trailer crash	5:46
79	2/10/2019 4:41	Sunday	I-44 EB	BEFORE REST AREA	Single-vehicle overturned tractor trailer crash	4:51
80	2/10/2019 5:01	Sunday	I-55 SB	PAST US 61	Jackknifed tractor trailer and RV crash	3:34
81	2/10/2019 5:19	Sunday	I-44 EB	BEFORE MO 141	Overturned tractor trailer with spilled produce	6:58
82	2/10/2019 5:24	Sunday	I-44 WB	PAST BUS 44 MO 100 EAST GRAY SUMMIT	Multi-vehicle crash involving a MoDOT plow vehicle	4:19
83	2/10/2019 5:37	Sunday	I-44 EB	TO I-270	Stalled tractor trailers on both ramps area re-treated	4:06
84	2/10/2019 5:39	Sunday	I-270 SB	PAST BIG BEND BLVD	Emergency vehicles closed all lanes for ice	4:01
85	2/10/2019 5:40	Sunday	I-270 NB	PAST I-44	Emergency vehicles closed all lanes for ice	2:43
86	2/10/2019 5:51	Sunday	I-270 SB	BEFORE DOUGHERTY FERRY RD	Single vehicle tractor trailer crash area re-treated	4:38
87	2/10/2019 5:57	Sunday	I-170 NB	TO I-270 WB	Single-vehicle crash area re-treated	2:14
88	2/10/2019 6:12	Sunday	I-70 WB	PAST CHURCH ST	Single vehicle tractor trailer crash	3:15
89	2/10/2019 7:29	Sunday	I-270 NB	AT TESSON FERRY RD	Emergency vehicles for incident on I-270 at MO 30	4:45
90	2/10/2019 10:25	Sunday	I-270 NB	AT GRAVOIS RD	Multi-vehicle crash with overturned tractor trailer	12:07
91	2/10/2019 9:55	Sunday	I-44 WB	PAST BUS 44 MO 100 EAST GRAY SUMMIT	Stalled tractor trailer waiting on tow	2:06
92	2/10/2019 10:44	Sunday	I-270 NB	ON RAMP FROM PAGE AVE WB	Commercial snow plow hit by metro bus into guardrail	2:05



# INCIDENT MANAGEMENT

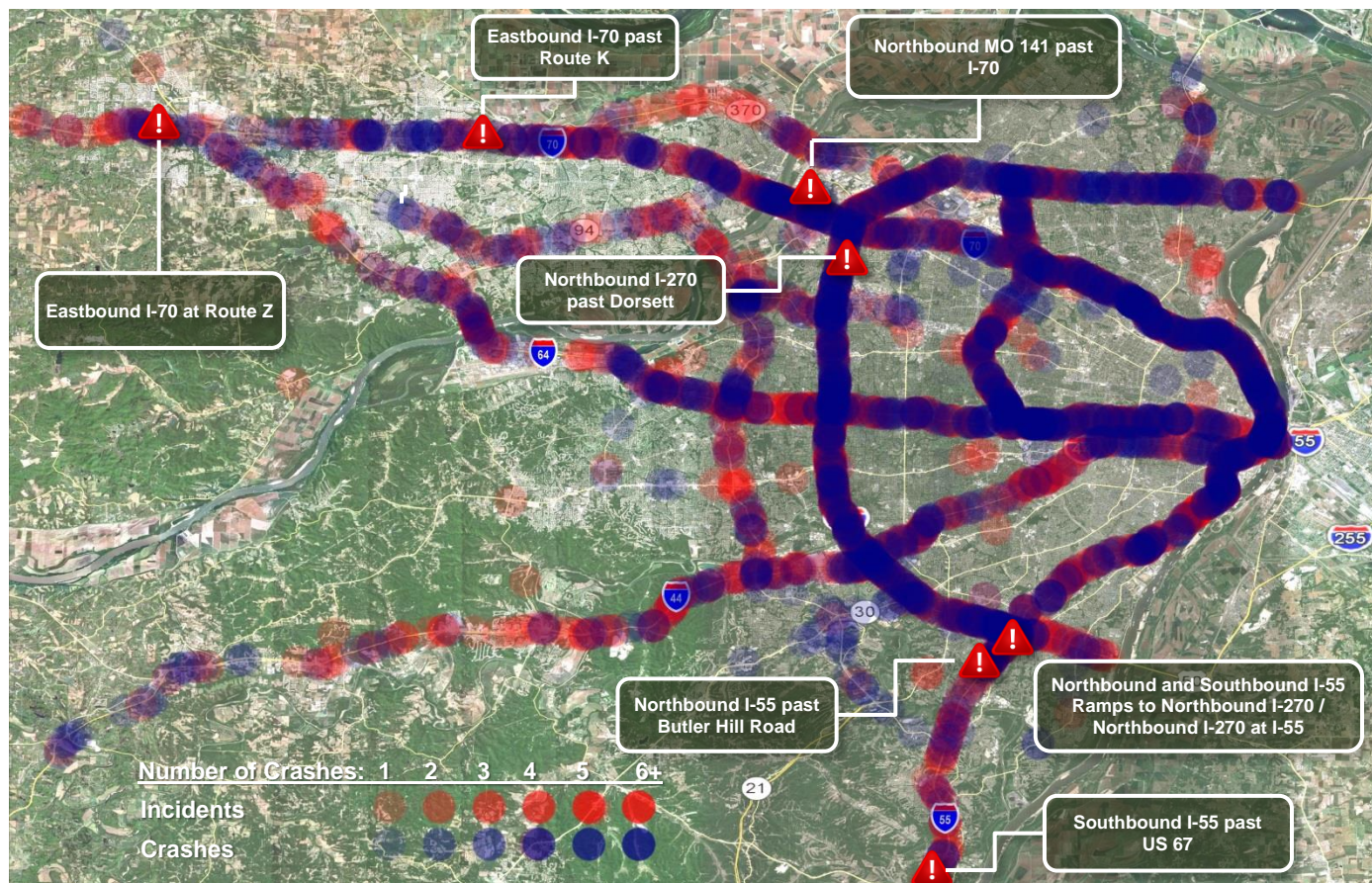
ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



#	Date & Time	Day of Week	Route	Location	Description	Duration HH/MM
93	2/10/2019 15:32	Sunday	I-44 EB	AT MO 30	Overtaken tractor trailer crash	5:03
94	2/10/2019 19:49	Sunday	I-44 EB	PAST NORTH MO 185/ROUTE D	Three-tractor trailer crash	3:19
95	2/15/2019 13:59	Friday	I-270 WB	AT W FLORISSANT AVE	Two-tractor trailer crash with ejection	2:24
96	2/17/2019 2:44	Sunday	100 MO	S CREVE COEUR DR CST	Closed both directions for structure fire at lumber yard	10:48
97	2/17/2019 4:36	Sunday	I-64 WB	PAST SKINKER BLVD/CLAYTON RD	Single-vehicle vehicle fatal crash with reconstruction	3:22
98	2/23/2019 14:02	Saturday	I-44 EB	PAST NORTH MO 185/ROUTE D	Tractor trailer fire under tractor	2:12
99	2/24/2019 3:53	Sunday	I-170 NB	BEFORE I-70	Two-vehicle crash with ejection and vehicle fire	5:08
100	2/27/2019 15:32	Wednesday	I-270 NB	PAST TESSON FERRY RD	Stalled vehicle oversized load with flat tire	2:16
101	2/28/2019 5:20	Thursday	I-70 WB	AT WEST FLORISSANT	Two-vehicle crash with downed light pole	3:16



December 2018/January/February 2019 Incidents with Mobility Impact Map



! Denotes Location of Major Impact Traffic Incidents






## Major Impact Traffic Incidents and Mitigation

### 12/11/2018 (Tuesday)

- **Time:** 6:05 am – 3:11 pm
- **Location:** Jefferson County – Southbound I-55 past US 67
- **Event Type:** Multi-vehicle crash with injuries
- **Estimated Initial Impact:** Rush Hour: 1 of 2 travel lanes affected equals (=) 50%
- **Incident Details:** A five vehicle crash involving two tractor trailers, a box truck and two cars in which a tractor trailer and box truck ran off the road.
- **Action Taken:** TMC heard report of vehicle crash over scanner. The TMC found the incident on camera, entered incident in ATMS, activated appropriate boards and dispatched Emergency Response to provide traffic control. Police and Fire responded and took the right lane. All lanes were closed briefly to hook up tractor trailer still on the road. There were difficulties in securing the tractor trailer which caused delays in removing it from the scene. Trees and brush had to be cleared to retrieve trucks from the roadside and the box truck had to be unloaded. The box truck fell apart when pulling it and debris had to be removed along with more brush before the box truck could be retrieved. There was no impact during the AM shift and a 1.5 mile queue during the PM shift.
- **Event Duration:** 9 hours 6 minutes

	Southbound I-55 past US 67	Left Shoulder	Lane 1	Lane 2	Right Shoulder
	Closed Hours/Minutes	0:08	0:08	9:05	9:06



# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019







## Major Impact Traffic Incidents and Mitigation

### 12/17/2018 (Monday)

- **Time:** 8:50 am – 1:01 pm \*\*\* Fatal \*\*\*
- **Location:** St. Charles County – Eastbound I-70 at Route Z
- **Event Type:** Single-vehicle overturned SUV crash
- **Estimated Initial Impact:** Rush Hour: 2 of 2 travel lanes and two exit lanes affected equals (=) 100%
- **Incident Details:** MSHP reported a rollover crash with fatality and injury on the Eastbound I-70 exit to Route Z. Wentzville Police closed I-70 mainlines at the Route Z ramp.
- **Action Taken:** TMC confirmed the incident on camera, added to ATMS, activated appropriate boards (contacted Scout to add Warrenton DMS) and notified emergency response. Wentzville Police, Fire and EMS responded closing the exit ramp and mainline. Eastbound I-70 main lines reopened at 9:14 am (Scout contacted to clear board). Exit ramp remained closed for accident reconstruction. The tow was on scene waiting for the reconstruction to be completed to remove vehicle. Traffic was backed up for over 4 miles.
- **Event Duration:** 4 hours 11 minutes

	Eastbound I-70 at Route Z	Left Shoulder	Lane 1	Lane 2	Right Shoulder	Left Exit	Right Exit
	Closed Hours/Minutes	0:18	0:18	0:25	0:25	4:11	4:11





# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



## Major Impact Traffic Incidents and Mitigation

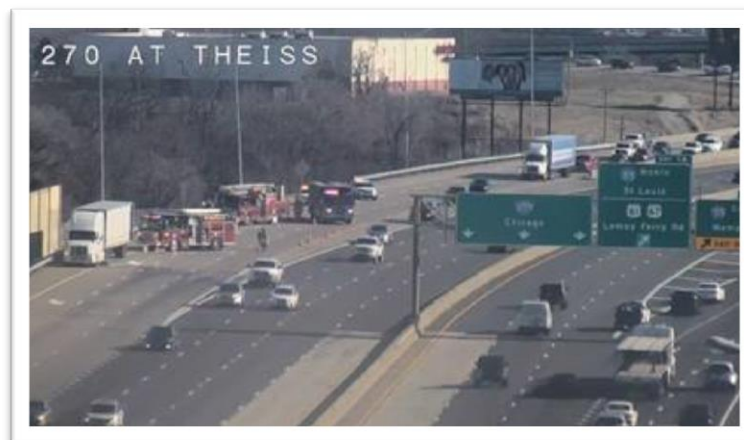
### 12/18/2018 (Tuesday)

- **Time:** 12:24 pm – 4:34 pm \*\*\*Hazmat\*\*\*
- **Location:** St. Louis County – Northbound and Southbound I-55 Ramps to Northbound I-270 / Northbound I-270 at I-55
- **Event Type:** Single-vehicle crash with hazmat spill
- **Estimated Initial Impact:** Rush Hour: 3 of 3 travel lanes affected equals (=) 100%
- **Incident Details:** TMC operators heard of a tractor trailer crash over the police scanner. A vehicle spilled ten gallons of a hydro carbonate poisonous hazmat material while driving from Northbound I-55 on Southbound ramp to Northbound I-270.
- **Action Taken:** The TMC dispatched MoDOT Emergency Response to the scene. Mehlville PD, Fire, and EMS responded and blocked all lanes for southbound traffic while emergency vehicles blocked the northbound lanes. MoDOT Emergency Response set up traffic control for both ramps Northbound and Southbound I-55 to Northbound I-270. The ER Supervisor, Communication Staff, Maintenance Superintendent, EOC, Motor Carriers, Area Engineer and the MoDOT Incident Management Coordinator were all notified. The TMC entered the incident into TMS to notify the public of the closure. An incident alert, update and cleared were used to advise management of the closure. Hazmat crews had a delayed response. MoDOT maintenance responded with a truck full of sand and sweeper for the cleanup of non-hazmat spills. Traffic queue was roughly one mile for both Northbound and Southbound I-55 ramps to Northbound I-270 while Northbound I-270 did not have a queue. Traffic was able to utilize the left shoulder off both ramps and continue onto Northbound I-270 as a reduced lane. A traffic engineer was notified and began to adjust necessary signal timing for traffic. The route most affected by this incident was Westbound Lindbergh Blvd. as people were getting off Northbound/Southbound I-55 at that interchange and trying to go west to Tesson Ferry Road (MO 21) south to get back on Northbound I-270. The AMI was checked but there was no plan for changing the signals along this detour route. After a review of the plans available, it looked like Plan 30 would be the best coordinated option for most of the route. At 2:00 pm, plan 30 was beginning anyway per the regular daily schedule. Plan 74 was implemented at the I-55/Lindbergh interchange to prioritize movements off the interstate and allowed more time for the left turn movements. At 4:30 pm, diversion plan 84 was deployed to the I-55/Butler Hill interchange and Route 61/67 between Mattis Road and South County Center. Diversion plan 97 was deployed to 61/67 @ Butler Hill, but some modifications needed to be made to correct a bad plan free condition. The modifications did not convert, so the controller was manually manipulated to run Manual Plan 97. At 5:00 pm, the Lindbergh/I-55 interchange signal was allowed to return to normal operation. The ramps were fairly clear, but traffic on Lindbergh was being impacted. The roadway was opened around 5:40 pm. The 84 diversion plans were set to 'expire' at 6:00 pm and were allowed to do so. 61/67 @ Butler Hill was returned to normal operation in the controller manually.
- **Result:** We were able to get more people off the highway by implementing the AMI plans at two intersections, but it did not seem to have a significant impact on backups along I-55. Some AMI issues noted were no rerouting plan to move people from I-55 to I-270 via Lindbergh to Tesson Ferry. A flush plan here could work really well since all the signals belong to MoDOT. A reverse plan along the same corridor would be helpful to have ready in case other ramps are closed. Also, glitches in plan 97 should be investigated at 61-67/Butler Hill.
- **Event Duration** (Northbound & Southbound I-55 ramps to Northbound I-270): 4 hours 10 minutes
- **Event Duration** (Northbound I-270 at I-55): 3 hours 55 minutes



	Northbound & Southbound I-55 Ramps to Northbound I-270	Left Shoulder	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Right Shoulder
Closed Hours/Minutes		2:44	2:44	2:44	3:22	3:24	3:38	3:38

	Northbound I-270 at I-55	Left Shoulder	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Right Shoulder
Closed Hours/Minutes		2:44	2:44	2:44	3:22	3:24	3:38	3:38





# INCIDENT MANAGEMENT


ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



## Major Impact Traffic Incidents and Mitigation

12/18/2018 (Tuesday)

- **Time:** 2:58 pm – 5:39 pm \*\*\* Double Fatality \*\*\*
- **Location:** Concord, St. Louis County – Northbound I-55 past Butler Hill Road
- **Event Type:** Multiple-vehicle crash (secondary)
- **Estimated Initial Impact:** 4 of 6 travel lanes affected equals (=) 67%
- **Incident Details:** The TMC operators observed on CCTV a multiple-vehicle crash. Vehicles 2 and 3 were stopped for traffic ahead in lanes 5 and 6. Vehicle 1 was Northbound on I-55 in lane 2. Driver 1 executed a lane change to the right and struck the rear of vehicle 2. Vehicle 2 spun and was forced into the driver side of vehicle 3. Driver 2 fatality pronounced on scene at 3:01 pm by Mehlville EMS. Passenger 2 fatality pronounced at Mercy hospital south on 12/18/2018 at 3:30 hours. The TMC dispatched MoDOT ER to the scene.
- **Action Taken:** MSHP and St. Louis County PD blocked lanes 3, 4, 5 and 6. Mehlville Fire, EMS, and Tow responded. Emergency Response arrived on scene and started initiating traffic control. Communication Staff was notified. The TMC messaged for the event and entered it into TMS to notify the public of the closure. Traffic queued approximately one mile, but returned to normal almost immediately after all lanes were opened. Extended duration was due to waiting for reconstruction.
- **Event Duration:** 2 hours 41 minutes

	Northbound I-55 at Butler Hill Road	Left Shoulder	Lane 1	Lane 2	Lane 3	Lane 4	Lane 5	Lane 6	Right Shoulder
Closed Hours/Minutes		0:00	0:00	0:00	2:22	2:34	2:41	2:41	2:41








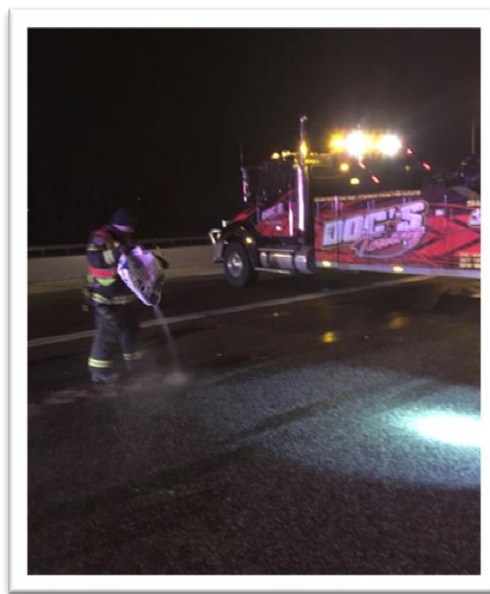
## Major Impact Traffic Incidents and Mitigation

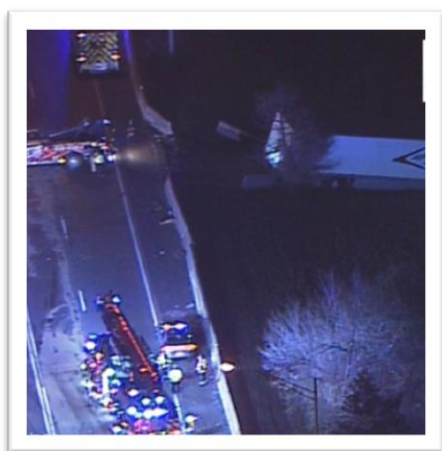
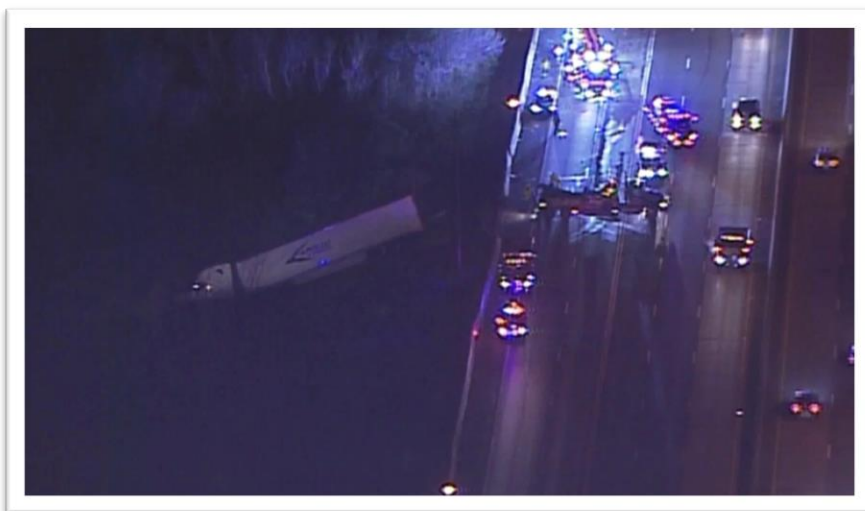
### 1/25/2019 (Friday)

- **Time:** 5:02 am – 2:02 pm
- **Location:** St. Louis County – Northbound I-270 past Dorsett
- **Event Type:** Two-vehicle crash
- **Estimated Initial Impact:** Rush Hour: 4 of 5 travel lanes affected equals (=) 80%
- **Incident Details:** TMC operators overheard units being dispatched to a crash while monitoring scanner traffic. It was later determined to be a two-vehicle crash involving a pickup truck and a tractor trailer. The tractor trailer struck the rear of the pickup truck that was stalled in the right lane. The tractor trailer then went off the right side of the roadway, through a concrete barrier wall, and down an embankment. It came to rest in a shallow storm water creek in the backyards of a neighborhood where the tractor portion became embedded in mud. No injuries were reported.
- **Action Taken:** TMC operators confirmed the location via CCTV and immediately entered the incident into ATMS, which generated an entry into TMS. The appropriate DMS boards were also activated to alert drivers. Maryland Heights Police, Fire and EMS responded, and the TMC dispatched two Emergency Response Units to assist with traffic control. Around 5:05 am, Maryland Heights PD called and advised the crash involved a tractor trailer down an embankment, and they believed it would take several hours to clear it from the scene. They further advised this would require all but one lane of the interstate to be closed through the morning rush hour. The TMC supervisor immediately called police back and requested they postpone recovery of the tractor trailer until after rush hour. However, after checking with the officer in command of the scene, the dispatcher advised the TMC supervisor that they already had a tow truck in route. Anticipating that such a closure would have a significant impact to the morning commute, the TMC notified community relations. They also pushed DMS messaging out past available diversion points to inform drivers.  
At approximately 5:20 am, the fire department called and advised there was also a diesel fuel spill of approximately 30 gallons and requested MoDOT respond with a large amount of oil dry. Two additional ER units were dispatched with extra oil dry. Within the first hour, the pickup truck had been towed from the scene, the fuel on the roadway had been addressed using 12 bags of oil dry, and two heavy tows from Doc's Towing were working on recovering the tractor trailer. Two hours into the incident, with little progress having been made by Doc's, Maryland Heights Police advised they would wait until after the morning rush to have a third heavy tow truck respond and assist with recovery. Three traffic lanes were reopened by 7:15 am, with only the right lane remaining closed. Shortly after the lanes reopened there was a minor secondary accident in the left lane of the 2.5 mile queue. Emergency workers were able to clear that accident in approximately 10 minutes.  
Around 10:00 am, recovery units responded back out to the scene and closed two additional right lanes to begin winching the tractor trailer up the embankment. This left two left lanes open for northbound drivers. Traffic began to queue back to Dorsett Road and this resulted in another accident with injury at 10:31 am. At 11:17 am, a third accident with two injuries was reported at Dorsett Road. The three lanes remained closed until 12:13 pm. Lane #3 and the right exit lane were opened at 12:34 pm. The interstate was completely reopened at 2:02 pm. The maximum queue throughout the event was 2.5 miles and quickly cleared as lanes were reopened.
- **Event Duration:** 9 hours 0 minutes



	Northbound I-270 past Dorsett	Lane 1	Lane 2	Lane 3	Right Exit 1	Right Exit 2	Right Shoulder
Closed Hours/Minutes		0:00	2:00	4:13	4:48	9:00	9:00












# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



## 1/25/2019 (Friday)

- **Time:** 3:05 pm – 6:23 pm \*\*\* Fatal \*\*\*
- **Location:** St. Louis County – Northbound MO 141 past I-70
- **Event Type:** Single-vehicle crash with pedestrian struck
- **Estimated Initial Impact:** Rush Hour: 4 of 4 travel lanes affected equals (=) 100%
- **Incident Details:** St. Louis County Police contacted the TMC requesting traffic control for an accident with a pedestrian struck. After checking the cameras, a pickup truck was found sitting at the intersection of Northbound MO 141 at Rider Trail South with police. All lanes were closed and traffic was being diverted to Rider Trail South. Fire and EMS had already left the scene. Later, St. Louis County Police confirmed the pedestrian had died. MSHP arrived on scene shortly after and stated they were taking over the scene from St. Louis County Police to conduct a reconstruction of the crash.
- **Action Taken:** Emergency Response was contacted to provide traffic control on MO 141. MoDOT EOC, ER Shift Supervisor and MoDOT's Incident Management Coordinator were notified of closure due to St Louis County PD stating the roadway would be closed for three to four hours. An admin text was sent to notify the SL District Leadership Team, Communications and maintenance team of the closure. St. Louis Police closed the Westbound I-70 exit to northbound MO 141 for about 10 minutes then allowed traffic to continue to use the exit. Due to direction the accident occurred the traffic queue was minimal. DMS boards along I-70, MO 141 and MO 364 were activated. A traffic engineer adjusted the traffic signals to help traffic clear out once the right lane opened. The length of the incident was due to reconstruction.
- **Event Duration:** 3 hours 17 minutes

 141	Northbound MO 141 past I-70	Left Shoulder	Lane 1	Lane 2	Lane 3	Lane 4	Right Shoulder
Closed Hours/Minutes		3:17	3:17	3:17	3:17	3:00	3:00





# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019





# INCIDENT MANAGEMENT

ST. LOUIS DISTRICT ■ QUARTERLY REGIONAL MOBILITY REPORT ■ DECEMBER 2018 / JANUARY / FEBRUARY 2019



## 1/30/2019 (Wednesday)

- **Time:** 5:41 am – 9:31 am \*\*\* Fatal \*\*\*
- **Location:** St. Charles County – Eastbound I-70 past Route K
- **Event Type:** Two-vehicle crash
- **Estimated Initial Impact:** Rush Hour: 4 of 4 travel lanes affected equals (=) 100%
- **Incident Details:** TMC operators overheard units being dispatched to an accident with entrapment while monitoring scanner traffic. It was later determined to be a two-vehicle crash involving a passenger car and minivan. After colliding, both vehicles erupted in flames and the driver of the car was pronounced at the scene.
- **Action Taken:** TMC operators confirmed the location via CCTV and observed all lanes to be closed. They immediately entered the incident into ATMS, which generated an entry into TMS. The appropriate DMS boards were activated within one minute to alert drivers. O'Fallon Police, Fire and St. Charles County Ambulance District responded, as did MSHP, who took command of the scene. The TMC dispatched two Emergency Response Units to assist with traffic control, and the Incident Management Coordinator also responded. Upon arrival, both vehicles were fully engulfed in flames, with one of the vehicles against the left median wall. Police closed all westbound lanes of I-70 for approximately 15 minutes, until the fire was put out. The TMC entered that closure into ATMS as well as TMS and activated DMS boards. Eastbound traffic was diverted off onto Route K, while westbound traffic was diverted off at West Terra (the outer road) then back onto the interstate at Route K. Signal engineers were able to adjust the signals at Route K and Veterans Memorial and Route K at West Terra to favor exiting traffic. MoDOT Maintenance crews from Wentzville were notified and responded with salt trucks to treat the area due to the amount of water used to put out the fire and the subfreezing temperature. Communications, AE, EOC, Motor Carrier Services, and the Emergency Response Supervisor were all notified. Due to the fatality, MSHP called in a crash reconstruction team. This extended the duration of the event as the team had to respond from the Cuba, MO area. Traffic queued approximately 4 miles eastbound, but was minimal westbound.
- **Event Duration:** 3 hours 50 minutes

	Eastbound I-70 past Route K	Left Shoulder	Lane 1	Lane 2	Lane 3	Lane 4	Right Shoulder
Closed Hours/Minutes		3:50	3:50	3:50	3:50	3:50	3:50

